

**ADEOS-II Operation Training No.2**  
**Routine Operation Training Plan**  
**Ver. 1.1**

**September, 2002**



## **ADEOS-II Operation Training No.2 Routine Operation Training**

**Approved by:**

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## ADEOS-II Operation Training No.2 Routine Operation Training

| Version | Date      | Update Page | Comment  |
|---------|-----------|-------------|--|
| Ver.1.0 | July,2002 |             |  |
| Ver.1.1 | Sep.,2002 | P3          | Delete description about PO.DAAC.  |
|         |           | P8          | Add description about training result report. Also add address to submit reports.  |
|         |           | P11         | Revise wrong descriptions Fig. 6.1 -> Table 6.1<br>Delete media shipment training TKSC.<br>Delete training item at NIPR  |
|         |           | P15         | Modify the description of Restarting OBC training.<br>Modify the description of Rescheduling from Mode-1 to mode-2.<br>Add Mean Orbit Data Delivery training item. |
|         |           | P18,19      | Modify the training contents of Restarting OBC operation regarding to July FtoF meeting.   |
|         |           | P21         | Modify the description of Rescheduling from Mode-1 to mode-2.  |
|         |           | P22         | Modify the description of InetB. Details of this training add appendix D.  |
|         |           | P25         | Add Mean Orbit Data Delivery training description.   |
|         |           | P26         | Delete TKCS training item from media shipment training.  |
|         |           | P34         | Add the descriptions to data loss report training.   |
|         |           | P35         | Add the descriptions to Delay of NRT data transmission training.   |
|         |           | P36,37      | Add the descriptions to Re-Processing request training.  |
|         |           | P38         | Modify the description of HK data request from POLDER.   |
|         |           | Appendix C  | Add the description of result report.  |
|         |           | Appendix D  | Add the sheet format using in Operation Training   |
|         |           | Appendix E  | Add detail schedule of Restarting OBC  |
|         |           | Appendix F  | Modify Routine Operation Training Schedule   |
|         |           |             |  |

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[Appendix A: Acronyms and Abbreviations](#)

[Appendix B: Routine Operation Training ID](#)

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[Appendix E: Detail schedule of restarting OBC](#)

[Appendix F: ADEOS-II Operation Training No.2 Schedule](#)

## 1. Purpose

This document defines the training plan for ADEOS-II routine operation. The objective of ADEOS-II Operation Training No.2 is:

- To confirm the operation procedure of mission planning, media shipping procedure and reporting interfaces among the facilities in case of anomaly in Ground segment.
- To train operators for routine operation.

## 2. Scope

This document covers the following training items and agencies:

### 2.1. Training Items

Operation Training consists of the following items:

#### (1) Mission Planning Training

- Normal Planning Operation

This is done to understand normal procedure of mission operation planning by MMO/EOC and related facilities.

- Anomaly Planning Operation

This is done to understand the procedure of mission operation planning in case of anomaly of Space/Ground segment. The reporting interface is also confirmed if it works appropriately.

#### (2) Media Shipment Training

During this training the media shipment interface is confirmed as well as the transportation time between facility noted and EOC.

- ASF
- WFF
- Kiruna
- CNES/POLDER
- NASDA/TKSC

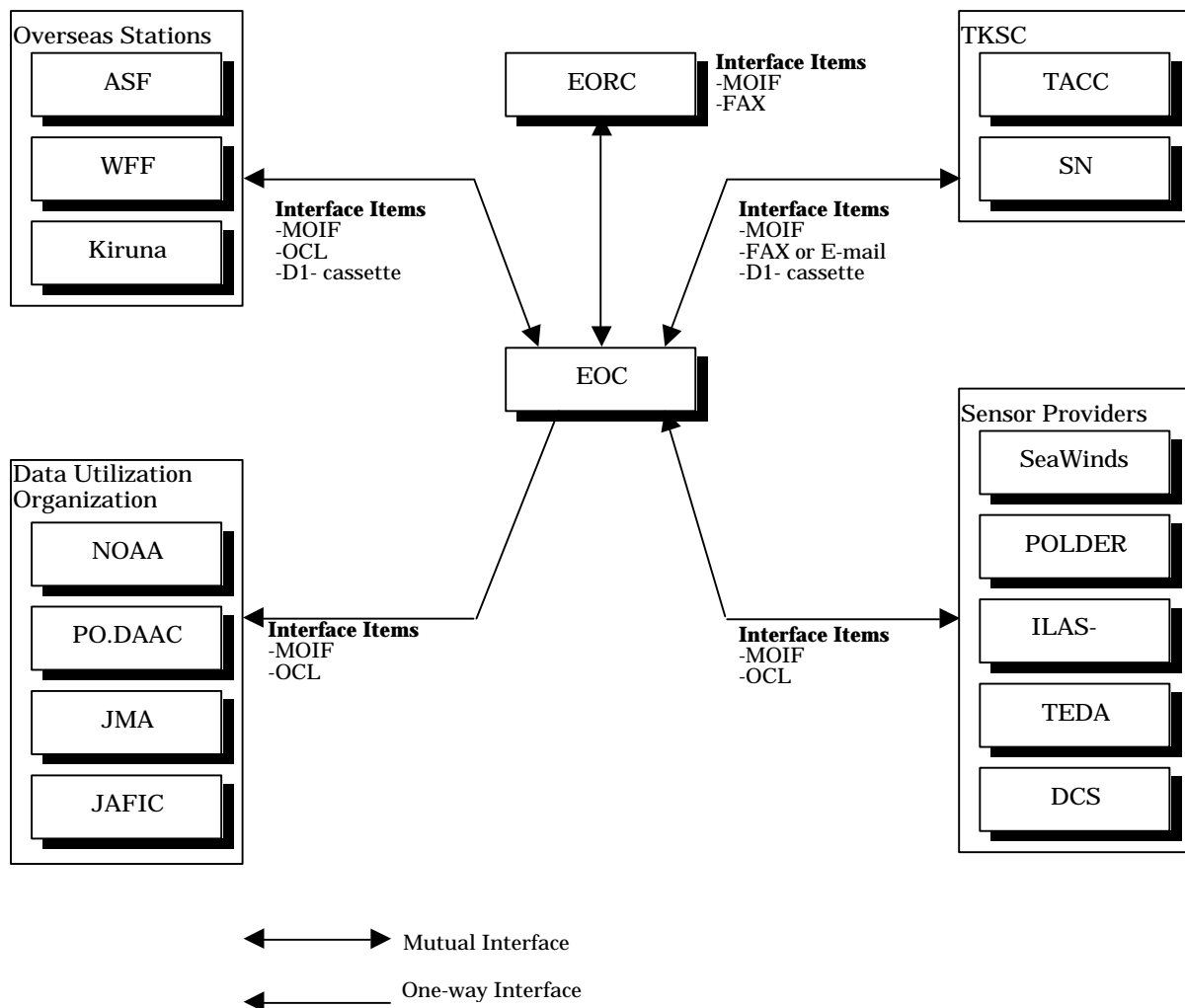
#### (3) Communication Training

- Report

The reporting interfaces are confirmed during the training. The reporting interfaces confirm if the reports are delivered within appropriate schedule and contain appropriate information.

## 2.2. Ground Segment Related facilities

Fig. 2.1 shows the Routine Operation Training configuration.



**Fig. 2.1** Routine Operation Training Configuration

### (1) NASDA

- EOC  
EOC coordinates operation plan with Sensor Providers and Overseas Stations. Next EOC coordinates final operation plan with TACC. EOC performs media shipment to overseas stations and CNES/POLDER.
- TACC  
EOC coordinates operation plan with TACC. Finally TACC generate OPLAN and sends it to EOC.
- SN  
EOC coordinates back up operation with SN. SN sends D1 - cassette to EOC.
- EORC

EOC coordinates operation request on GLI-250m and GLI-1Km with EORC. EORC generates REQQ.

(2) Sensor Providers

- SeaWinds ground system :SeaPAC  
EOC coordinates operation request on SeaWinds with SeaPAC. SeaPAC generates REQQ.
- POLDER ground system :CNES  
EOC coordinates operation request on POLDER with CNES/POLDER. CNES/POLDER generates REQQ .
- DCS ground system :CNES  
[DCS receives operation plan \(MOIF\) and backup information \(OCL\) for training from NASDA/EOC during Operation Training No.2.](#)
- ILAS-II ground system :NIES  
EOC coordinates operation request on ILAS-II with NIES. NIES generates REQQ .
- TEDA ground system :TKSC/NASDA  
[TEDA receives operation plan \(MOIF\) and backup information \(OCL\) for training from NASDA/EOC during Operation Training No.2.](#)

(3) Overseas Ground Stations

- NASA ground station :ASF, WFF  
EOC coordinates station operation request with ASF and WFF. ASF and WFF generate STGS.
- Kiruna ground station :SSC  
EOC coordinates station operation request with SSC and generates STGS.

(4) Data Utilization Organization and others

- NOAA/NESDIS  
NOAA receives operation plan (MOIF) and backup information (OCL) for training from NASDA/EOC during Operation Training No.2.
- NRT data users (JMA, JAFIC)  
NRT data users receive operation plan (MOIF) and backup information (OCL) for training from NASDA/EOC during Operation Training No.2.

### 3. Change Control

This training plan is issued and maintained by NASDA/EOC. NASDA/EOC coordinates change proposals from participating facilities by Operation Coordination Letter (OCL) or at an operation interface meeting.

### 4. Related Documents

#### 4.1. Applicable Documents

- 1) ADEOS-II Operation Training Plan:AD2-EOSD-01-108
- 2) ADEOS- Implementation Plan Part between NASDA and SSC (for Operation and Maintenance) : AD2-EOSD-97-004
- 3) ADEOS- Mission Operations Implementation Plan between National Space Development Agency of Japan, National Aeronautics and Space Administration of the United States of America and National Oceanic and Atmospheric Administration of the United States of America:AD2-EOC-96-055
- 4) ADEOS- Mission Operations Implementation Plan between National Space Development Agency of Japan and Center National D'Etudes Spatiales of France for ARGOS Project : AD2-EOC-95-010
- 5) ADEOS- Mission Operations Implementation Plan between National Space Development Agency of Japan and Center National D'Etudes Spatiales of France for POLDER Project : AD2-EOC-95-011ADEOS-II Mission Operation Implementation Plan (MOIP); prepared for each agency.
- 6) ADEOS- MISSION OPERATIONS INTERFACE SPECIFICATION ( MOIS ) ( NASDA/CNES ARGOS ) : AD2-EOC-97-040
- 7) ADEOS- MISSION OPERATIONS INTERFACE SPECIFICATION ( MOIS ) ( NASDA/CNES POLDER ) : AD2-EOSD-98-015
- 8) ADEOS- MISSION OPERATIONS INTERFACE SPECIFICATION ( MOIS ) ( NASDA/NASA/NOAA ) : AD2-EOC-97-046
- 9) ADEOS- MISSION OPERATIONS INTERFACE SPECIFICATION( MOIS )Common Part : AD2-EOC-96-054
- 10) ADEOS- Contact Points Document : AD2-EOC-96-124

#### 4.2. Reference Document

- 1) ADEOS-II Mission Simulation Test Plan Version1.0(Draft/Rev. E) May 2001:AD2-EOSD-99-012(NEB-99031)

#### 4.3. Training Report

It is necessary for participants of the training to generate Training Reports for each Training Segment. The training result is reported after finishing each training segment. The reporting format is defined in Appendix C.

#### 5. Overview

This is performed as integrated operation training for the routine operation phase with all ADEOS-II participating facilities.

##### (1) Training Policy

The policy of Routine Operation Training is:

The operator should perform each training segment.

The training is performed by the schedule of MOIS.

If some anomaly happens during training, each operator should perform recovery action as performed in operation.

If some anomaly happens during training and training cannot be continued, NASDA will decide if training is to be stopped after related agencies confer about anomaly.

The MOIF may be simulated or real.

The simulated interface is distinguished and remarked in the training procedure.

##### (2) Training compositions

The Routine Operation Training consists of three parts. Each training part is shown below. Each training segment includes several training items.

###### Mission Planning Training

- Normal Planning Operation

This is the training for mission operation planning without anomaly. This procedure is done with normal daily schedule.

- Anomaly Planning

This is the training for anomaly mission operation planning such as re-scheduling. This procedure is done after Normal Planning Operation training is completed.

###### Media Shipment Training.

- Overseas Stations (ASF, WFF and Kiruna)

This is the training for media shipment of ADEOS-II RAW data. This procedure is done following the normal daily schedule described in the MOIS. Overseas Stations send D1-cassette (formatted D1-cassette, but it is not necessary to record the mission or simulated data) three times a week. Also Overseas Stations generate SRRM after sending D1-cassettes.

- POLDER

This is the training for media shipment of POLDER edited level 0 data. This procedure is done following the normal schedule described in the MOIS. EOC sends D1-cassette, with recorded POLDER level 0 data, once a week.

Communication Training

- Report

This is the training for reporting several specific cases of ADEOS-II operations as described in the MOIS. This procedure is done with special operation as described in the MOIS and using OCL for specified format.

(3) Training conditions

Mission Planning Training

- a. This training is performed during normal working time of EOC. (UT0:20-8:35)
- b. This training is performed during operation week (Wed. to Tue.) as described in the MOIS.
- c. Submitting REQR needs two operation weeks.
- d. Re-scheduling of operation plan should be separate for each training items.
- e. This Training is done with MPT of Operation Training No.3.

Media Shipment Training

- a. RAW data re-sending request is performed with media shipment between overseas stations and EOC. The request will be issued from EOC.
- b. POLDER L0 edited data re-sending request is performed with media shipment from EOC to CNES/POLDER. The request will be issued from EOC.
- c. EOC will not perform L0 processing and L0 edit processing (POLDER) on received media from overseas stations.
- d. Media Shipment Training is included the MOIF interface.

Communication Training

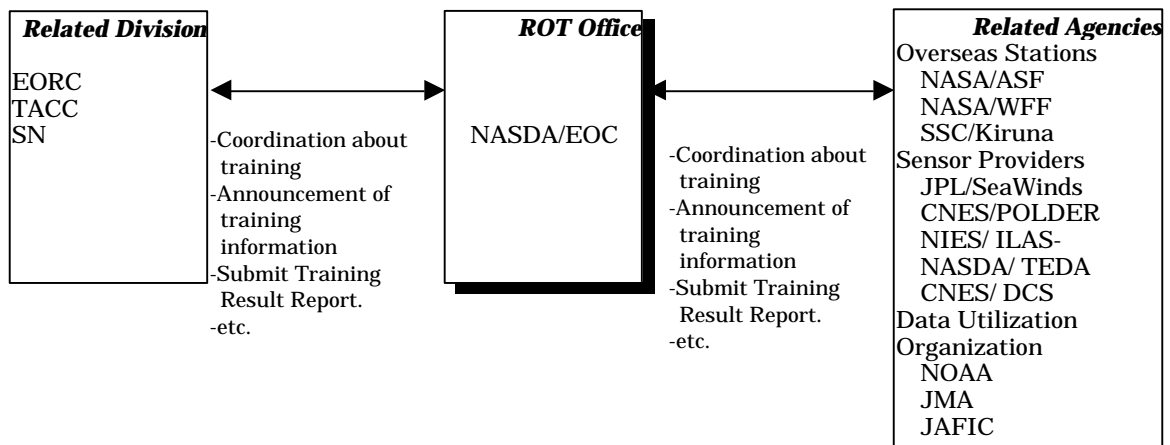
- a. Communication training is performed only to make contact with all related agencies using correct form as described in the MOIS.
- b. This training is performed within CoO in September.

(4) Organization and Responsibilities

Routine Operation Training is executed and controlled by the Routine Operation Training Office that is set up in NASDA/EOC. Responsibilities of Routine Operation Training Office are:

- Announcement of training information for Operation Training No.2
- Collection of Training Results and Problem Reports for Operation Training No.2.
- Maintenance of the ADEOS-II Routine Operation Training Plan.
- Issuance of training summary report for Operation Training No.2.

Fig. 5.1 shows the relationship between ADEOS-II Routine Operation Training Office and related agencies.



**Fig. 5.1 Relationship between ADEOS-II Routine Operation Training(ROT) Office and Related Agencies.**

(5) Documents used during training

Document which will be prepared before [Routine Operation](#) training is executed

The following document is prepared before Routine Operation Training is executed.

- ADEOS-II Routine Operation Training Plan (this document)

Document made when training is executed

The following documents are made when Routine Operation Training is executed and related agencies submit these documents to the Routine Operation Training Office.

- Training Results Report

Training Results Report for ROT should be written by Operators. All related agencies operators [report should include Training ID \(see Appendix C Table C-2\), results, problems incurred, and comments and/or suggestions to modification of operations procedure.](#)

[Training Results Report\(s\) for Operation Training No.2 are submit to](#)

[Hirohiko Dosho \(NASDA/EOC\) : dosho.hirohiko@nasda.go.jp](#)

[CC: Toshihiro Masuda \(RESTEC\): t.masuda@restec.or.jp](#)

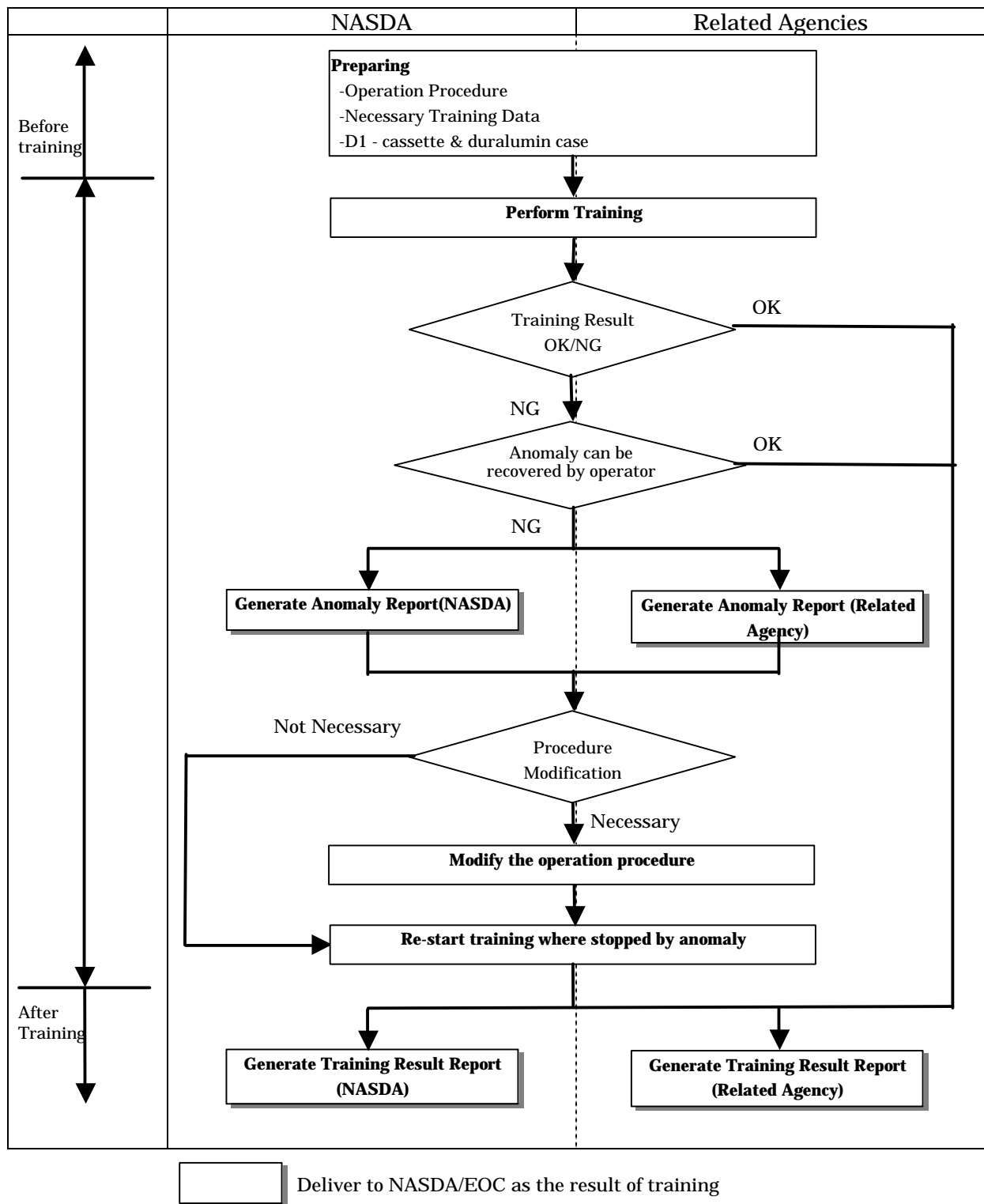
- Problem Report

Problem(s) should be reported to Operation Training No.3 [Office](#).

[ad2mst@eoc.nasda.go.jp](#)

(6) Work Flow

Fig. 2 shows workflow of this training.



**Fig. 5.2** Routine Operation Training Work Flow

- Before training, NASDA and all related agencies prepare operation procedure

documents, necessary training data and D1 cassette to perform training.

- If some anomaly occurs during training and operator can recover from anomaly, training will continue.
- If training is not completed successfully, the concerned agency will generate an Anomaly Report, and provide it to NASDA.
- In anomaly case during training, NASDA will coordinate with related agencies to modify the operation procedure, as needed.
- Training will re-start where training was stopped.
- Finally , NASDA and all related agencies will prepare Training Result Reports. The format of Training Result Report is shown in Appendix C.

(7) Training ID definition

During Routine Operation Training, several kinds of training will be performed, and each training is identified by individual ID. This ID should be used to control and progress of training.

The IDs of Routine Operation Training are shown in Appendix B.

## 6. Framework

Training items and participants are shown in Table 6.1

**Table. 6.1 Training Items and participants (1/2)**

| Name                                  | Items                                    | NASDA                           |          |      |   | Sensor Provider |         |         |     |      | Overseas Stations | NRT data Users | Foreign Station |  |
|---------------------------------------|--|---------------------------------|----------|------|---|-----------------|---------|---------|-----|------|-------------------|----------------|-----------------|--|
|                                       |  | EOC                             | AD2 Proj | EORC | — | Sea Winds       | POLDE R | ILAS-II | DCS | TEDA | NGN Kiruna        |                | NIPR            |  |
| Mission Planning Training             |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
|                                       | Normal Planning Operation                |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
|                                       | Mode-1 Planning                          |                                 |          |      | — |                 |         |         |     |      |                   |                |                 |  |
|                                       | Mode-2 Planning                          |                                 |          |      | — |                 |         |         |     |      |                   |                |                 |  |
|                                       | Re-submitting REQR                       |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
|                                       | Re-submitting REQQ                       |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
|                                       | Anomaly Planning                         |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
|                                       | Restarting OBC                           |                                 |          |      | — |                 |         |         |     |      |                   |                |                 |  |
|                                       | Rescheduling from Mode-1 to Mode-2       |                                 |          |      | — |                 |         |         |     |      |                   |                |                 |  |
|                                       | Internet-Back-up                         |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
|                                       | Frequency change of Orbit info. delivery |                                 |          |      | — |                 |         |         |     |      |                   |                |                 |  |
|                                       | ILAS-II Campaign                         |                                 |          |      | — |                 |         |         |     |      |                   |                |                 |  |
|                                       | Media Shipment Training                  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
|                                       |  | ASF                             |          |      |   |                 |         |         |     |      |                   |                |                 |  |
|                                       |  | Media Shipment                  |          |      |   |                 |         |         |     |      |                   |                |                 |  |
|                                       |  | Request for re-sending RAW data |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| WFF                                   |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| Media Shipment                        |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| Request for re-sending RAW data       |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| Kiruna                                |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| Media Shipment                        |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| Request for re-sending RAW data       |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| TKSC                                  |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| Back up operation                     |  | —                               | —        | —    | — | —               | —       | —       | —   | —    |                   |                |                 |  |
| Media Shipment                        |  | —                               |          |      | — |                 |         |         |     |      |                   |                |                 |  |
| POLDER                                |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| Media Shipment                        |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |
| Request for re-sending edited L0 data |  |                                 |          |      |   |                 |         |         |     |      |                   |                |                 |  |

**Table 6.1 Training Items and participants (2/2)**

| Name                   | Items                      | NASDA |          |      |      | Sensor Provider |         |         |     |      | Overseas Stations | NRT data Users | Foreign Station |
|------------------------|----------------------------|-------|----------|------|------|-----------------|---------|---------|-----|------|-------------------|----------------|-----------------|
|                        |                            | EOC   | AD2 Proj | EORC | TKSC | Sea Winds       | POLDE R | ILAS-II | DCS | TEDA | NGN Kiruna        |                | NIPR            |
| Communication Training |                            |       |          |      |      |                 |         |         |     |      |                   |                |                 |
|                        | Report                     |       |          |      |      |                 |         |         |     |      |                   |                |                 |
|                        | Data loss                  |       |          |      |      |                 |         |         |     |      |                   |                |                 |
|                        | NRT data abnormal case     |       |          |      |      |                 |         |         |     |      |                   |                |                 |
|                        | Reprocessing request       |       |          |      |      |                 |         |         |     |      |                   |                |                 |
|                        | HK data request form POLER |       |          |      |      |                 |         |         |     |      |                   |                |                 |

## 7. Training Schedule

The schedule of Routine Operation Training is shown in Appendix D

Even if it is after establishment of this Routine Operation Training Plan, the training schedule may be changed as necessary, due to reasons agreed to by all related agencies.

## 8. Mission Planning Training

### 8.1. Objective

Mission Planning training is the training to confirm the operability and procedure of ADEOS-II operation plan according to the operation time line and anomaly case by using samples of the MOIF.

### 8.2. Overview

Mission planning training is summarized in Table. 8.1.

**Table. 8.1** Mission Planning Training Items

| Training name             | Training Items             | Training ID | Contents of Training                                   |
|---------------------------|----------------------------|-------------|--|
| Mission Planning Training | Normal Planning Operation  | 2111000     | Mode-1 Planning  |
|                           |                            | 2112000     | Mode-2 Planning  |
|                           |                            | 2113000     | Re-submitting REQR                                     |
|                           |                            | 2114000     | Re-submitting REQQ                                     |
|                           | Anomaly Planning Operation | 2121000     | Restarting OBC   |
|                           |                            | 2122000     | Rescheduling from Mode-1 to Mode-2 (done with 2121000) |
|                           |                            | 2123000     | Internet-Back-up                                       |
|                           |                            | 2124000     | ILAS-II Campaign                                       |
|                           |                            | 2125000     | Mean Orbit Data Delivery                               |

### 8.3. Training Plan

#### 8.3.1. Normal Planning Operation

Normal Planning operation will be continuously performed for five weeks as normal planning procedure and error case that will be happened in normal Planning such as error REQQ and pass rejection case.

Normal Planning operation will be performed same as routine operation procedure and its coverage is from Wednesday to Tuesday.

Normal Planning operation include error REQQ case at sensor provider and pass rejection case at overseas stations. Each case will be performed in a separate week.

#### 8.3.2. Anomaly Planning Operation

Anomaly Planning operation will be performed after Normal Planning operation training and it will be generated as an event for the training period.

##### Restarting OBC

The training for "restarting OBC" is the recovery Planning operation in case of OBC start up. If some anomaly occurs at ADEOS-II and NASDA performs trouble shooting. After

that all related agencies will performed recovery Planning operation.

#### Rescheduling from Mode-1 to Mode-2

The training for "Rescheduling from Mode-1 to Mode-2 " is the recovery Planning operation in case of IOCS or DRTS trouble. If some anomaly occurs at IOCS or DRTS and Mode-1 operation can not continue operation. NASDA will decide to change Mode-1 operation to Mode-2 operation. This training is done with restarting OBC training.

#### Internet Back up

Planning operation with Internet back-up procedure in case of NASDA/all related agencies network trouble.

#### ILAS-II Campaign

NASDA/EOC will notify changing frequency orbit delivery due to ILAS-II campaign and sends orbit data everyday or three times a week. This training will be performed with frequency change of orbit information file delivery.

#### Mean Orbit Data Delivery

The training for " Mean Orbit Data Delivery" is the delivery of Mean Orbit Data to SeaPAC and NIES when +DV maneuver is performed on Thursday.

### 8.3.3. Contents of Training

#### (1) Normal Planning Operation

| Training Items            | Working Items      | Response                 | Training   |
|---------------------------|--------------------|--------------------------|--|
| Normal Planning Operation | Mode-1 Planning    | <b>All agencies</b>      | <ul style="list-style-type: none"> <li>• All related agencies will generate Mode-1 operation planning in Training Week #79 .</li> <li>• Timing of transmit and receive MOIF is specified in the MOIS.</li> </ul>   |
|                           | Mode-2 Planning    | <b>All agencies</b>      | <ul style="list-style-type: none"> <li>• All related agencies will generate Mode-2 operation planning in Training Week # 75-78 .</li> <li>• Timing of transmit and receive MOIF is specified in the MOIS.</li> </ul>   |
|                           | Re-submitting REQR | <b>Overseas stations</b> | <ul style="list-style-type: none"> <li>• Overseas stations should sends STGS in case of pass rejection in Training Week #77.</li> <li>• Overseas stations receive new REQQ from EOC. Then overseas station generates and sends new STGS to NASDA/EOC.</li> </ul>                           |
|                           |                    | <b>NASDA/EOC</b>         | <ul style="list-style-type: none"> <li>• NASDA/EOC receives pass rejected STGS and re-planning. Then sends new REQR to overseas stations.</li> <li>• NASDA/EOC receives new STGS from overseas stations and generates final operation plan.</li> </ul>                                     |
|                           | Re-submitting REQQ | <b>Sensor provider</b>   | <ul style="list-style-type: none"> <li>• Each sensor provider generate format error REQQ and sends it to NASDA/EOC in Training Week #78.</li> <li>• Each sensor provider receives REQA from NASDA/EOC. Then each sensor provider generates correct REQQ and sends it NASDA/EOC.</li> </ul> |
|                           |                    | <b>NASDA/EOC</b>         | <ul style="list-style-type: none"> <li>• NASDA/EOC receives format error REQQ. NASDA/EOC generates REQA and sends it to sensor provider.</li> <li>• NASDA/EOC receives correct format REQQ from sensor provider. Then NASDA/EOC generates final operation plan.</li> </ul>                 |

Table.8.2 Normal Planning Opertaion Timeline

[illegible]

Due date for MOIF I/F

(2) Restarting OBC operation (Sheet format is shown Appendix D)

| Training Items             | Working Items  | Response               | Training   |
|----------------------------|----------------|------------------------|--|
| Anomaly Planning Operation | Restarting OBC | <b>NASDA/EOC</b>       | <ul style="list-style-type: none"> <li>NASDA/EOC generates operation change request for all related agencies and sends it to all related agencies by OCL <u>(FAX and e-mail attached OCL form)</u>.</li> <li><u>NASDA/EOC re-schedule Mode1 operation to Mode-2 operation.</u></li> <li>NASDA/EOC receives answer of operation change notification from sensor provider, NASDA/EORC, NASDA/ADEOS-II project <u>by OCL (FAX and e-mail attached OCL form)</u>.</li> <li><u>NASDA/EOC receives the first REQR receiving readiness notification from Overseas stations. Then</u> NASDA/EOC generates REQR and sends it to overseas stations.</li> <li><u>NASDA/EOC receives REQQ from sensor providers, ADEOS-II Project and EORC. If their REQQ have format error, NASDA/EOC generates and sends REQA to them.(for training</u></li> <li>NASDA/EOC receives STGS from overseas stations and generates REQ.</li> <li>NASDA/EOC sends REQ to NASDA/TACC. Then NASDA/EOC receives OPLAN from NASDA/TACC. <u>(TACC is simulated in MMO)</u></li> <li><u>NASDA/EOC makes and sends OCL (FAX and e-mail attached OCL form) to alert the overseas stations of a new LV0P, RTIG, SHAQ.</u></li> <li>NASDA/EOC generates OPLN, OPL1, LV0P , etc. and sends it to all related agencies.</li> </ul> |
|                            |                | <b>Sensor provider</b> | <ul style="list-style-type: none"> <li>Sensor provider receives operation change notification from NASDA/EOC. Then sensor provider makes answer of operation change notification.</li> <li>Sensor provider generates updated REQQ that includes operation request only after restart of routine operation and sends it to NASDA/EOC.</li> <li><u>If Sensor provider receives REQA from NASDA/EOC, then sensor provider generates and sends new REQQ to NASDA/EOC.</u></li> <li><u>Sensor providers receive OPLN (OPL1 for POLDER) from NASDA/EOC.</u></li> </ul>   |
|                            |                | <b>NASDA/EORC</b>      | <ul style="list-style-type: none"> <li>NASDA/EORC receives operation change notification from NASDA/EOC. Then NASDA/EORC makes answer of operation change notification.</li> <li><u>NASDA/EORC receive OPLN (OPL1 for POLDER) from NASDA/EOC.</u></li> </ul>   |

| <u>Training Items</u> | <u>Working Items</u> | <u>Response</u>                | <u>Training</u>  |
|-----------------------|----------------------|--------------------------------|--|
|                       |                      | <b>NASDA/ADEO S-II Project</b> | <ul style="list-style-type: none"> <li>• NASDA/ ADEOS-II Project receives operation change notification from NASDA/EOC. Then NASDA/ADEOS-II Project makes answer of operation change request.</li> <li>• <u>NASDA/ADEOSII Project receive OPLN (OPL1 for POLDER) from NASDA/EOC.</u></li> </ul>  |
|                       |                      | <b>Overseas stations</b>       | <ul style="list-style-type: none"> <li>• <u>Overseas stations receive</u> operation change notification from NASDA/EOC.</li> <li>• <u>Overseas stations make the first REQR receiving readiness notification and sends by OCL ( FAX and e-mail attached OCL form )</u></li> <li>• Overseas stations receive REQR from NASDA/EOC. Then overseas stations make STGS and send it to NASDA/EOC as soon as possible.</li> <li>• <u>Overseas stations receive OCL (FAX and e-mail attached OCL form) to alert the overseas stations of a new LV0P, RTIG, SHAQ.</u></li> <li>• <u>Overseas stations receive OPLN, LV0P, SHAQ and RTIG.</u></li> </ul> |

Table 8.3 Restarting BC Timeline (with Mode1 to Mode2 change)

| Training Week |   |                  |       |     |      |      |         |              |            |         |            |          |        |      |                       |     | Week #80  |       |    |    |    |   |          |   |        |    |    |    |
|---------------|---|------------------|-------|-----|------|------|---------|--------------|------------|---------|------------|----------|--------|------|-----------------------|-----|-----------|-------|----|----|----|---|----------|---|--------|----|----|----|
| Month         |   |                  |       |     |      |      |         |              |            |         |            |          |        |      |                       |     | October   |       |    |    |    |   |          |   |        |    |    |    |
| Day           |   |                  |       |     |      |      |         |              |            |         |            |          |        |      |                       |     | 2         |       |    |    |    |   | 3        |   | 4      |    |    |    |
| Time          |   |                  |       |     |      |      |         |              |            |         |            |          |        |      |                       |     | Wednesday |       |    |    |    |   | Thursday |   | Friday |    |    |    |
| Event         |   | File Name        | NASDA |     |      |      | Sea Pac | CNES/ POLDER | CLS/ JAPAN | EA NIES | NASDA TEDA | NASA NGN | Kiruna | NOAA | Delivery Deadline UTC | 0   | 4         | 8     | 12 | 16 | 20 |   | 0        | 4 | 8      | 12 | 16 | 20 |
|               |   |                  | EOC   | HK  | TACC | EORC |         |              |            |         |            |          |        |      |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               |   |                  | MMO   | DDS | OREC |      |         |              |            |         |            |          |        |      |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               |   |                  |       |     |      |      |         |              |            |         |            |          |        |      |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Operation Change Request (external)         | OCL (FAX&E-mail) | snd   |     |      |      |         |              |            |         |            |          |        |      |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Ready notification for first REQR receive   | OCL (FAX&E-mail) | rcv   |     |      |      |         |              |            |         |            |          |        |      |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Planning DT operation by MMO                | -                | -     | -   | -    | -    | -       | -            | -          | -       | -          | -        | -      | -    | -                     | -   | -         | -     | -  | -  | -  | - | -        | - | -      | -  | -  | -  |
|               | Station Operation Request                   | REQR             | snd   | fwd | -    | -    | -       | -            | -          | -       | -          | -        | rcv    | rcv  | -                     |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Reply to Station Operation Request (NGN)    | STGS             | rcv   | fwd | -    | -    | -       | -            | -          | -       | -          | snd      |        | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Reply to Station Operation Request (Kiruna) | STGS             | rcv   | fwd | -    | -    | -       | -            | -          | -       | -          |          | snd    | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Operation Request Answer (SeaWinds)         | OCL (FAX&E-mail) | rcv   |     |      |      |         | snd          | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Operation Request Answer (POLDER)           | OCL (FAX&E-mail) | rcv   |     |      |      |         | -            | snd        | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Operation Request Answer (ILAS-II)          | OCL (FAX&E-mail) | rcv   |     |      |      |         | -            | -          | snd     | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Operation Request Answer (ADEOS-II PJ)      | FAX&E-mail       | rcv   |     |      |      |         | -            | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Operation Request Answer (NASDA/EORC)       | FAX&E-mail       | rcv   |     |      |      |         | -            | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | SeaWinds Operation Request                  | REQQ             | rcv   | fwd | -    | -    | -       | snd          | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | POLDER Operation Request                    | REQQ             | rcv   | fwd | -    | -    | -       | -            | snd        | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | ILAS-II Operation Request                   | REQQ             | rcv   | fwd | -    | -    | -       | -            | -          | -       | snd        | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | VMS Operation Request                       | REQQ             | rcv   | fwd | -    | -    | -       | -            | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | DMS Operation Request                       | REQQ             | rcv   | fwd | -    | -    | -       | -            | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | GLI-250m Operation Request                  | REQQ             | rcv   | fwd | fwd  | -    | -       | -            | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | GLI-1Km Operation Request                   | REQQ             | rcv   | fwd | fwd  | -    | -       | -            | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Reply to Operatiopn Request GLI-250m        | REQA             | snd   | fwd | fwd  | -    | -       | -            | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Operation Request (simulated in MMO)        | REQ              | -     | -   | -    | -    | -       | -            | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Operation Plan to EOC (simulated in MMO)    | OPLAN            | -     | -   | -    | -    | -       | -            | -          | -       | -          | -        | -      | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | SHAQ, LV0P, OPLN sending notification       | OCL (FAX&E-mail) | snd   |     |      |      |         | -            | -          | -       | -          | rcv      | rcv    | -    |                       |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Operation Plan to All Agencies              | OPLN             | snd   | fwd | fwd  | -    | -       | -            | rcv        |         | rcv        | rcv      | rcv    | rcv  | rcv                   | rcv | rcv       | 03:50 |    |    |    |   |          |   |        |    |    |    |
|               | Operation Plan to POLDER                    | OPL1             | -     | -   | -    | -    | -       | -            | -          | rcv     | -          | -        | -      | -    | -                     | -   | -         | 03:50 |    |    |    |   |          |   |        |    |    |    |
|               | Acquisition Plan                            | SHAQ             | snd   | fwd | -    | -    | -       | -            | -          | -       | -          | -        | rcv    | rcv  | -                     |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | Lverl 0 Processsing Info.                   | LV0P             | snd   | fwd | -    | -    | -       | -            | -          | -       | -          | -        | rcv    | rcv  | -                     |     |           |       |    |    |    |   |          |   |        |    |    |    |
|               | GLI NRT Product Processing Info.            | RTIG             | snd   | fwd | -    | -    | -       | -            | -          | -       | -          | -        | rcv    | rcv  | rcv                   |     |           |       |    |    |    |   |          |   |        |    |    |    |

Detal schedule of Restrting OBC is shown in Appendix E

- (3) Rescheduling from Mode-1 to Mode2 (This training is done with Restarting OBC operation)  
The content of training is same as Restarting OBC operations. Refer to Page 19.

(4) Internet-Backup

The content and procedure of InetB training is refer to IntB Ops. Training Plan.

(5) ILAS-II Campaign

| Training Items             | Working Items    | Response                      | Training  |
|----------------------------|------------------|-------------------------------|---|
| Anomaly Planning Operation | ILAS-II Campaign | <b>ILAS-II</b>                | <ul style="list-style-type: none"> <li>• ILAS-II submits change frequency of orbit data request to NASDA/EOC by OCL. (2 weeks before campaign week.)</li> <li>• ILAS-II receives answer of change frequency of orbit data request from NASDA/EOC by OCL.</li> <li>• ILAS-II receives orbit info every day during campaign week.</li> </ul>  |
|                            |                  | <b>NASDA/EOC</b>              | <ul style="list-style-type: none"> <li>• NASDA/EOC receives change frequency of orbit data request from ILAS-II.</li> <li>• NASDA/EOC informs all related agencies that frequency of orbit data delivery change <u>by OCL</u>. (4 days before campaign week.)</li> <li>• NASDA/EOC sends priority change request of ILAS-II level0 data to SSC by OCL.(4days before campaign week)</li> <li>• NASDA/EOC receives orbit data everyday from NASDA/TACC and sends it to all related agencies. <u>(TACC is simulated in MMO)</u></li> </ul> |
|                            |                  | <b>SSC/Kiruna</b>             | <ul style="list-style-type: none"> <li>• SSC receives priority change request of ILAS-II level0 data and change frequency of orbit data request from NASDA/EOC by OCL.</li> <li>• SSC change priority of transmitting ILAS-II level 0 data day before first day of campaign week.</li> <li>• SSC put back priority of transmitting ILAS-II level 0 data after end of campaign.</li> </ul>   |
|                            |                  | <b>Other related agencies</b> | <ul style="list-style-type: none"> <li>• Other related agencies are receive change frequency of orbit data notification from NASDA/EOC <u>by OCL</u>.</li> </ul>  |

Table 8.4 ILAS-II Campaign Time line

| Training Week         |  |       |     |     |      |         |              |            |         |            |          |        |      |                   | Week #75    |      |      |     |     |     |     |     |     |     | Week #76       |     |     |     |     |     |     |     |     |     | Week #77 |     |     |     |  |  |  |  |  |  | #78 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Month                 |  |       |     |     |      |         |              |            |         |            |          |        |      |                   | August 2002 |      |      |     |     |     |     |     |     |     | September 2002 |     |     |     |     |     |     |     |     |     |          |     |     |     |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Day                   |  |       |     |     |      |         |              |            |         |            |          |        |      |                   | 26          | 27   | 28   | 29  | 30  | 31  | 1   | 2   | 3   | 4   | 5              | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15       | 16  | 17  | 18  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |  |       |     |     |      |         |              |            |         |            |          |        |      |                   | Mon         | Tue  | Wed  | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu            | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun      | Mon | Tue | Wed |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Event                 | File Name                                | NASDA |     |     |      | Sea Pac | CNES/ POLDER | CLS/ JAPAN | EA NIES | NASDA TEDA | NASA NGN | Kiruna | NOAA | Delivery Deadline |             |      |      |     |     |     |     |     |     |     |                |     |     |     |     |     |     |     |     |     |          |     |     |     |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |  | EC    | MMO | DDS | OREC |         |              |            |         |            |          |        |      |                   | HK          | TACC | EORC |     |     |     |     |     |     |     |                |     |     |     |     |     |     |     |     |     |          |     |     |     |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I<br>L<br>A<br>S<br>2 | Frequency change of Orbit info. Delivery | OCL   |     | rcv | -    | -       | -            | -          | -       | snd        | -        | -      | -    | -                 |             |      |      |     |     |     |     |     |     |     |                |     |     |     |     |     |     |     |     |     |          |     |     |     |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Due date for MOIF I/F

(6) Mean Orbit Data Delivery

| <u>Training Items</u>             | <u>Working Items</u>            | <u>Response</u>   | <u>Training</u>  |
|-----------------------------------|---------------------------------|-------------------|--|
| <u>Anomaly Planning Operation</u> | <u>Mean Orbit Data Delivery</u> | <u>NASDA/TACC</u> | ● <u>NASDA/TACC sends Mean Orbit Data of ADEOS-II to SeaPAC and NIES by using e-mail via internet until UT7:30 on Wednesday. (During training, NASDA will delivery two times. One is from NASDA/EOC, the other is from NASDA/TACC. From NASDA/EOC is not normal interface in routine operation. This is just training case.)</u> |
|                                   |                                 | <u>SeaWinds</u>   | ● <u>SeaPAC receives Mean Orbit Data of ADEOS-II from NASDA/TACC by e-mail via internet.</u>   |
|                                   |                                 | <u>ILAS-II</u>    | ● <u>ILAS-II receives Mean Orbit Data of ADEOS-II from NASDA/TACC by e-mail via internet.</u>  |

## 9. Media Shipment Training

### 9.1. Objective

Media shipment training is the training to confirm the operability and procedure of ADEOS-II RAW data and L0 edited data transmission plan according to the operation time line by using D1 cassettes and Duralumin case.

### 9.2. Overview

Media Shipment Training is summarized in Table. 9.1.

**Table. 9.1 Media Shipment Training Items**

| Training name                     | Training Items | Training ID | Contents of Training                  |
|-----------------------------------|----------------|-------------|---------------------------------------|
| MST<br>Media Shipment<br>Training | ASF Station    | 2211000     | Media Shipment                        |
|                                   |                | 2212000     | Request for re-sending RAW data       |
|                                   | WFF Station    | 2221000     | Media Shipment                        |
|                                   |                | 2222000     | Request for re-sending RAW data       |
|                                   | Kiruna Station | 2231000     | Media Shipment                        |
|                                   |                | 2232000     | Request for re-sending RAW data       |
|                                   | POLDER         | 2251000     | Media Shipment                        |
|                                   |                | 2252000     | Request for re-sending edited L0 data |

### 9.3. Training Plan

#### 9.3.1. Overseas stations (ASF, WFF, Kiruna)

Overseas stations will perform media shipment work for one week according to routine operations. Each station packs the D1-cassette tapes in Duralumin case and sends it to NASDA/EOC by the courier company specified in the MOIS. Overseas stations send D1-cassette tapes three times a week.

During this training, NASDA/EOC will send Raw data readability report (RDRM) for re-sending specified D1-cassette tape that is specified in RDRM. Overseas stations send back-up D1-cassette tape with the other one to NASDA/EOC.

#### 9.3.2. POLDER

NASDA/EOC will perform one-day media shipment work according to routine operations. NASDA/EOC receives D1-cassette tapes from overseas stations three times a week. All RAW data, as need for POLDER L0 editing, are collected in NASDA/EOC, then

NASDA/EOC send D1-cassette tape, recorded POLDER L0 edited data, to POLDER on Wednesday.

### 9.3.3. Contents of Training

#### (1) ASF

| Training Items | Working Items                   | Response                           | Training   |
|----------------|---------------------------------|------------------------------------|--|
| ASF            | Media Shipment                  | <b>ASF Monday</b>                  | <ul style="list-style-type: none"> <li>ASF packs six D1-cassette tapes that were recorded over three days (Fri. Sat. and Sun.) data in Duralumin case.</li> <li>ASF sends one Duralumin case to NASDA/EOC by specified courier company on Monday.</li> <li>ASF sends SRRM to NASDA/EOC</li> </ul>                                    |
|                |                                 | <b>ASF Wednesday</b>               | <ul style="list-style-type: none"> <li>ASF packs four D1-cassette tapes that were recorded over two days (Mon. and Tue.) data in Duralumin case.</li> <li>ASF sends one Duralumin case to NASDA/EOC by specified courier company on Wednesday.</li> <li>ASF sends SRRM to NASDA/EOC.</li> </ul>                                      |
|                |                                 | <b>ASF Friday</b>                  | <ul style="list-style-type: none"> <li>ASF packs four D1-cassette tapes that were recorded over two days (Wed. and Thurs.) data in Duralumin case.</li> <li>ASF sends one Duralumin case to NASDA/EOC by specified courier company on Friday.</li> <li>ASF sends SRRM to NASDA/EOC.</li> </ul>                                       |
|                |                                 | <b>ASF One day during training</b> | <ul style="list-style-type: none"> <li>ASF receives RDRM from NASDA/EOC.</li> </ul>  |
|                |                                 | <b>NASDA/EOC</b>                   | <ul style="list-style-type: none"> <li>NASDA/EOC receives one Duralumin case from ASF that was sent on Monday.</li> <li>NASDA/EOC receives one Duralumin case from ASF that was sent on Wednesday.</li> <li>NASDA/EOC receives one Duralumin case from ASF that was sent on Friday.</li> <li>NASDA/EOC sends RDRM to ASF.</li> </ul> |
|                | Request for re-sending RAW data | <b>NASDA/EOC</b>                   | <ul style="list-style-type: none"> <li>NASDA/EOC sends RDRM that includes error case.</li> <li>NASDA/EOC receives D1-cassette tape that was specified in RDRM.</li> </ul>  |
|                |                                 | <b>ASF</b>                         | <ul style="list-style-type: none"> <li>ASF receives RDRM include error case from NASDA/EOC.</li> <li>ASF chooses error D1-cassette tape and sends it to NASDA/EOC with regular shipment.</li> </ul>  |

## (2) WFF

| Training Items | Working Items                   | Response                           | Training   |
|----------------|---------------------------------|------------------------------------|--|
| WFF            | Media Shipment                  | <b>WFF Monday</b>                  | <ul style="list-style-type: none"> <li>• WFF packs two D1-cassette tapes that were recorded over three days (Fri. Sat. and Sun.) data in Duralumin case.</li> <li>• WFF sends one Duralumin case to NASDA/EOC by specified courier company on Monday.</li> <li>• WFF sends SRRM to NASDA/EOC</li> </ul>                                  |
|                |                                 | <b>WFF Wednesday</b>               | <ul style="list-style-type: none"> <li>• WFF packs one D1-cassette tape that was recorded over two days (Mon. and Tue.) data in Duralumin case.</li> <li>• WFF sends one Duralumin case to NASDA/EOC by specified courier company on Wednesday.</li> <li>• WFF sends SRRM to NASDA/EOC.</li> </ul>                                       |
|                |                                 | <b>WFF Friday</b>                  | <ul style="list-style-type: none"> <li>• WFF packs one D1-cassette tape that was recorded over two days (Wed. and Thurs.) data in Duralumin case.</li> <li>• WFF sends one Duralumin case to NASDA/EOC by specified courier company on Friday.</li> <li>• WFF sends SRRM to NASDA/EOC.</li> </ul>  |
|                |                                 | <b>WFF One day during training</b> | <ul style="list-style-type: none"> <li>• WFF receives RDRM from NASDA/EOC.</li> </ul>  |
|                |                                 | <b>NASDA/EOC</b>                   | <ul style="list-style-type: none"> <li>• NASDA/EOC receives one Duralumin case from WFF that was sent on Monday.</li> <li>• NASDA/EOC receives one Duralumin case from WFF that was sent on Wednesday.</li> <li>• NASDA/EOC receives one Duralumin case from WFF that was sent on Friday.</li> </ul> <p>NASDA/EOC sends RDRM to WFF.</p> |
|                | Request for re-sending RAW data | <b>NASDA/EOC</b>                   | <ul style="list-style-type: none"> <li>• NASDA/EOC sends RDRM that include error case.</li> <li>• NASDA/EOC receives D1-cassette tape that was specified in RDRM.</li> </ul>   |
|                |                                 | <b>WFF</b>                         | <ul style="list-style-type: none"> <li>• WFF receives RDRM include error case from NASDA/EOC.</li> <li>• WFF chooses error D1-cassette tape and sends it NASDA/EOC with regular shipment.</li> </ul>   |

(3) Kiruna

| Training Items | Working Items                   | Response                              | Training   |
|----------------|---------------------------------|---------------------------------------|--|
| Kiruna         | Media Shipment                  | <b>Kiruna Monday</b>                  | <ul style="list-style-type: none"> <li>• Kiruna packs three D1-cassette tapes that were recorded over three days (Fri. Sat. and Sun.) data in Duralumin case.</li> <li>• Kiruna sends one Duralumin case to NASDA/EOC by specified courier company on Monday.</li> <li>• Kiruna sends SRRM to NASDA/EOC</li> </ul>                                       |
|                |                                 | <b>Kiruna Wednesday</b>               | <ul style="list-style-type: none"> <li>• Kiruna packs two D1-cassette tapes that were recorded over two days (Mon. and Tue.) data in Duralumin case.</li> <li>• Kiruna sends one Duralumin case to NASDA/EOC by specified courier company on Wednesday.</li> <li>• Kiruna sends SRRM to NASDA/EOC.</li> </ul>  |
|                |                                 | <b>Kiruna Friday</b>                  | <ul style="list-style-type: none"> <li>• Kiruna packs two D1-cassette tapes that were recorded over two days (Wed. and Thurs.) data in Duralumin case.</li> <li>• Kiruna sends one Duralumin case to NASDA/EOC by specified courier company on Friday.</li> <li>• Kiruna sends SRRM to NASDA/EOC.</li> </ul>   |
|                |                                 | <b>Kiruna One day during training</b> | <ul style="list-style-type: none"> <li>• Kiruna receives RDRM from NASDA/EOC.</li> </ul>   |
|                |                                 | <b>NASDA/EOC</b>                      | <ul style="list-style-type: none"> <li>• NASDA/EOC receives one Duralumin case from Kiruna that was sent on Monday.</li> <li>• NASDA/EOC receives one Duralumin case from Kiruna that was sent on Wednesday.</li> <li>• NASDA/EOC receives one Duralumin case from Kiruna that was sent on Friday.</li> <li>• NASDA/EOC sends RDRM to Kiruna.</li> </ul> |
|                | Request for re-sending RAW data | <b>NASDA/EOC</b>                      | <ul style="list-style-type: none"> <li>• NASDA/EOC sends RDRM that includes error case.</li> <li>• NASDA/EOC receives D1-cassette tape that was specified in RDRM.</li> </ul>  |
|                |                                 | <b>Kiruna</b>                         | <ul style="list-style-type: none"> <li>• Kiruna receives RDRM including error case from NASDA/EOC.</li> <li>• Kiruna chooses error D1-cassette tape and sends it NASDA/EOC with regular shipment.</li> </ul>   |

(4) POLDER

| Training Items | Working Items                         | Response         | Training  |
|----------------|---------------------------------------|------------------|---|
| POLDER         | Media Shipment                        | <b>NASDA/EOC</b> | <ul style="list-style-type: none"><li>• NASDA/EOC collects all D1-cassette tapes from overseas stations and assumes that L0 edit is performed.</li><li>• NASDA/EOC sends D1-cassette tape, recorded POLDER L0 edited data, to CNES/POLDER by specified courier company on Wednesday.</li><li>• NASDA/EOC sends Level 0 data shipment report (SRZD) to POLDER.</li></ul> |
|                |                                       | <b>POLDER</b>    | <ul style="list-style-type: none"><li>• POLDER receives edited L0 data recorded D1-cassette tape from NASDA/EOC.</li><li>• POLDER receives SRZD from NASDA/EOC.</li><li>• POLDER sends correct RDZD to NASDA/EOC, after receiving D1-cassette tapes.</li></ul>  |
|                | Request for re-sending edited L0 data | <b>POLDER</b>    | <ul style="list-style-type: none"><li>• POLDER generates RDRZ for error case and sends it NASDA/EOC.</li><li>• POLDER receives new D1-cassette tape with regular shipment.</li><li>• POLDER sends RDZD to NASDA/EOC.</li></ul>  |
|                |                                       | <b>NASDA/EOC</b> | <ul style="list-style-type: none"><li>• NASDA/EOC receives RDRZ include error case from POLDER. Then assumes that copy new L0 edited data from master D1-cassette tape.</li><li>• NASDA/EOC sends new edited L0 data recorded D1-cassette tape with regular shipment.</li><li>• NASDA/EOC sends SRZD to POLDER.</li></ul>   |

Table 9.2 Media Shipment Timeline

| Training Week   |                                   |            |     |     |                 |      |     |                 |             |     |        |      |                         | Week #76   |     |     |     |     |     |     | Training Week #4 |     |     |     |     |     |     | Training Week #5 |     |     |     |     |     |     | Training Week #6 |     |     |     |     |     |  |
|-----------------|-----------------------------------|------------|-----|-----|-----------------|------|-----|-----------------|-------------|-----|--------|------|-------------------------|------------|-----|-----|-----|-----|-----|-----|------------------|-----|-----|-----|-----|-----|-----|------------------|-----|-----|-----|-----|-----|-----|------------------|-----|-----|-----|-----|-----|--|
| Month           |                                   |            |     |     |                 |      |     |                 |             |     |        |      |                         | Sep        |     |     |     |     |     |     | Oct              |     |     |     |     |     |     | Nov              |     |     |     |     |     |     | Dec              |     |     |     |     |     |  |
| Day             |                                   |            |     |     |                 |      |     |                 |             |     |        |      |                         | 4          | 5   | 6   | 7   | 8   | 9   | 10  | 11               | 12  | 13  | 14  | 15  | 16  | 17  | 18               | 19  | 20  | 21  | 22  | 23  | 24  | 25               | 26  | 27  | 28  | 29  | 30  |  |
| Event           |                                   |            |     |     |                 |      |     |                 |             |     |        |      |                         | Wed        | Thu | Fri | Sat | Sun | Mon | Tue | Wed              | Thu | Fri | Sat | Sun | Mon | Tue | Wed              | Thu | Fri | Sat | Sun | Mon | Tue | Wed              | Thu | Fri | Sat | Sun | Mon |  |
| ASF Stations    | RAW data D1-cassette              | File Name  | MMO | DDS | NASDA<br>Od Dsk | TACC | SN  | CNES/<br>POLDER | NASA<br>ASF | WFF | Kiruna | Redu | Delivery<br>Date        |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
|                 |                                   | -          | -   | -   | -               | -    | -   | -               | snd         | snd | snd    | -    | Mon. Wed. Fri.          |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
| WFF Stations    | RAW data shipment report          | -          | rcv |     | fwd             | -    | -   | -               | -           | -   | -      | -    | Mon. Thu.               |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
|                 |                                   | SRRM       | rcv | fwd | -               | -    | -   | -               | snd         | snd | snd    | -    | Mon. Wed. Fri.          |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
| Kiruna Stations | RAW data readability report       | RDRM       | snd | fwd | -               | -    | -   | -               | rcv         | rcv | rcv    | -    | with in 10 days         |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
|                 |                                   |            |     |     |                 |      |     |                 |             |     |        |      |                         | error case |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
| CNES/POLDER     | Level 0 data D1-cassete           | -          | -   | -   | snd             | -    | -   | -               | -           | -   | -      | -    | Tue.                    |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
|                 |                                   | -          | -   | -   | -               | -    | -   | rcv             | -           | -   | -      | -    | Fri.                    |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
|                 | Level 0 data shipment report      | SRZD       | snd | fwd | -               | -    | -   | rcv             | -           | -   | -      | -    | Tue.                    |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
|                 | Level 0 data readability report   | RDZD       | rcv | fwd | -               | -    | -   | snd             | -           | -   | -      | -    | 10 days after receiving |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
| NASDA/SN        | Backup Operation Request          | FAX or TEL |     | snd |                 | -    | rev | -               | -           | -   | -      | -    |                         |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
|                 | Backup Operation Request (Answer) | FAX or TEL |     | rcv |                 | -    | snd | -               | -           | -   | -      | -    |                         |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
|                 | D-1 management info.              | RERA       | rcv | fwd | -               | -    | snd | -               | -           | -   | -      | -    |                         |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |
|                 | RAW data D1-cassette              | -          | rev | -   | fwd             | -    | snd | -               | -           | -   | -      | -    |                         |            |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |     |                  |     |     |     |     |     |  |

Due date for MOIF I/F  
 Due date for RDRM I/F  
 Shipping day for D1-cassette

## 10. Communication Training

### 10.1. Objective

Communication training is the training to confirm the contact point, communication procedure and correct information in case of anomaly.

### 10.2. Overview

Communication Training summarized in Table. 10.1.

**Table. 10.1** Communication Training Items

| Training name          | Training Items | Training ID | Contents of Training        |
|------------------------|----------------|-------------|-----------------------------|
| Communication Training | Report         | 2311000     | Data loss                   |
|                        |                | 2312000     | NRT data abnormal case      |
|                        |                | 2313000     | Re-processing request       |
|                        |                | 2314000     | HK data request form POLDER |

### 10.3. Training Plan

Data Loss Report [\(Sheet format is shown Appendix D\)](#)

When NASDA/EOC receiving and recording subsystem have some anomalous situation and have data loss, NASDA/EOC informs sensor providers and NRT data users concerned with data loss. [Also Overseas stations have some anomalous situation and have data loss. Overseas stations inform NASDA/EOC concerned with data loss notification.](#)

This training will be performed to just inform sensor provider and NRT data users to data loss report.

Delay of NRT data transmitting. [\(Sheet format is shown Appendix D\)](#)

When NASDA/EOC facility has some anomalous situation and can not delivery NRT data to the related agencies, NASDA/EOC will inform them by data delivery delay notification. [Also Overseas stations have some anomalous situation and can not delivery NRT data to NASDA/EOC. Overseas stations inform NASDA/EOC by data delivery delay notification.](#)

This training will be performed to just inform NRT data users to NRT data delivery delay notification.

Re-processing request [\(Sheet format is shown Appendix D\)](#)

When the sensor provider finds an error in the level 0 data or HK data delivered from EOC, the sensor provider will inform the error to EOC by using OCL.

This training will be performed to exchange information about re-processing request between NASDA/EOC and the sensor providers.

HK data request from POLDER [\(Sheet format is shown Appendix D\)](#)

CNES can request NASDA to process past HK TLM data when an anomalous situation of POLDER instrument itself or spacecraft is found in delivered data in nominal operation.

This training will be performed to exchange information about POLDER past HK data processing request between NASDA/EOC and CNES/POLDER.

#### 10.4. Contents of Training

##### (1) Data Loss Report (Sheet format is shown Appendix D)

| Training Items | Working Items                  | Response                                    | Training  |
|----------------|--------------------------------|---|---|
| Report         | Data loss at NASDA/EOC         | <b>NASDA/EOC</b>                            | <ul style="list-style-type: none"> <li>• <u>The target pass for this training is RSP 8. This RSP start Sep.26 2:18:53(UT) in CoO.</u></li> <li>• <u>After complete processing this RSP in CoO, NASDA/EOC assume that this pass loss caused by anomaly.</u></li> <li>• NASDA/EOC sends data loss report to related agencies by OCL.</li> </ul> |
|                |                                | <b>Sensor provider &amp; NRT data users</b> | <ul style="list-style-type: none"> <li>• Sensor provider and NRT data users receive data loss report from NASDA/EOC <u>by OCL.</u></li> </ul>   |
|                | Data loss at Overseas Stations | <b>ASF</b>                                  | <ul style="list-style-type: none"> <li>• <u>The target pass for this training is RSP 52. This RSP start Sep.26 20:53:10(UT).in CoO.</u></li> <li>• <u>After complete processing this RSP in CoO, ASF assume that this pass loss caused by anomaly.</u></li> <li>• <u>ASF send data loss report to NASDA/EOC by OCL.</u></li> </ul>            |
|                |                                | <b>WFF</b>                                  | <ul style="list-style-type: none"> <li>• <u>The target pass for this training is RSP 40. This RSP start Sep.26 15:57:27(UT) in CoO.</u></li> <li>• <u>After complete processing this RSP in CoO, WFF assume that this pass loss caused by anomaly.</u></li> <li>• <u>WFF send data loss report to NASDA/EOC by OCL.</u></li> </ul>            |
|                |                                | <b>Kiruna</b>                               | <ul style="list-style-type: none"> <li>• <u>The target pass for this training is RSP 32. This RSP start Sep.26 12:26:41(UT) in CoO.</u></li> <li>• <u>After complete processing this RSP in CoO, Kiruna assume that this pass loss caused by anomaly.</u></li> <li>• <u>Kiruna send data loss report to NASDA/EOC by OCL.</u></li> </ul>      |
|                |                                | <b>NASDA/EOC</b>                            | <ul style="list-style-type: none"> <li>• NASDA/EOC receives data loss report form ASF, WFF and Kiruna <u>by OCL.</u></li> <li>• NASDA/EOC sends data loss report to related agencies <u>by OCL.</u></li> </ul>  |
|                |                                | <b>Sensor provider &amp; NRT data users</b> | <ul style="list-style-type: none"> <li>• Sensor provider and NRT data users receive data loss report from NASDA/EOC <u>by OCL.</u></li> </ul>   |

(2) Delay of NRT data transmitting (Sheet format is shown Appendix D)

| Training Items | Working Items                                       | Response                                    | Training  |
|----------------|---|---|---|
| Report         | Delay of NRT data transmitting at NASDA/EOC         | <b>NASDA/EOC</b>                            | <ul style="list-style-type: none"> <li>• <u>The target pass for this training is RSP 5. This RSP start Sep.25 1:14:06(UT) in CoO.</u></li> <li>• <u>After complete processing this RSP in CoO, NASDA/EOC assume that delivery of NRT data delay caused by anomaly.</u></li> <li>• NASDA/EOC sends NRT data delivery delay notification to related agencies by OCL.</li> </ul> |
|                |   | <b>Sensor provider &amp; NRT data users</b> | <ul style="list-style-type: none"> <li>• Sensor provider and NRT data users receive NRT data delivery delay report from NASDA/EOC <u>by OCL.</u></li> </ul>   |
|                | Delay of NRT data transmitting at Overseas stations | <b>ASF</b>                                  | <ul style="list-style-type: none"> <li>• <u>The target pass for this training is RSP 53. This RSP start Sep.25 21:18:11(UT).in CoO.</u></li> <li>• <u>After complete processing this RSP in CoO, ASF assume that delivery of NRT data delay caused by anomaly.</u></li> <li>• <u>ASF sends NRT data delivery delay notification to NASDA/EOC.</u></li> </ul>                  |
|                |   | <b>WFF</b>                                  | <ul style="list-style-type: none"> <li>• <u>The target pass for this training is RSP 41. This RSP start Sep.25 16:22:41(UT) in CoO.</u></li> <li>• <u>After complete processing this RSP in CoO, WFF assume that delivery of NRT data delay caused by anomaly.</u></li> <li>• <u>WFF sends NRT data delivery delay notification to NASDA/EOC by OCL.</u></li> </ul>           |
|                |   | <b>Kiruna</b>                               | <ul style="list-style-type: none"> <li>• <u>The target pass for this training is RSP 29. This RSP start Sep.25 11:11:47(UT) in CoO.</u></li> <li>• <u>After complete processing this RSP in CoO, Kiruna assume that delivery of NRT data delay caused by anomaly.</u></li> <li>• <u>Kiruna sends NRT data delivery delay notification to NASDA/EOC by OCL.</u></li> </ul>     |
|                |   | <b>NASDA/EOC</b>                            | <ul style="list-style-type: none"> <li>• NASDA/EOC receives data loss report form ASF, WFF and Kiruna.</li> <li>• NASDA/EOC sends data loss report to related agencies.</li> </ul>  |
|                |   | <b>Sensor provider &amp; NRT data users</b> | <ul style="list-style-type: none"> <li>• Sensor provider and NRT data users receive data loss report from NASDA/EOC.</li> </ul>   |

(3) Re-Processing request (Sheet format is shown Appendix D)

| Training Items | Working Items         | Response        | Training  |
|----------------|-----------------------|-----------------|---|
| Report         | Re-processing request | <b>SeaWinds</b> | <ul style="list-style-type: none"> <li>• <u>SeaWinds select error L0 data which received during CoO. (Assume that one of the data received from EOC has error.)</u></li> <li>• <u>SeaWinds sends Level 0 Data Error report which specified in MOIS to NASDA/EOC by OCL. (Date of Data, Downlink Segment No., L0 signal file name are need.)</u></li> <li>• <u>SeaWinds receives answer of Level 0 Data Error report by OCL. (Contents of OCL is simulated.)</u></li> <li>• <u>SeaWinds sends Re-processing Level 0 data confirmation report to NASDA/EOC by OCL. (Contents of OCL is simulated.)</u></li> </ul> |
|                |                       | <b>CNES/DCS</b> | <ul style="list-style-type: none"> <li>• <u>CNES/DCS select error L0 data which received during CoO. (Assume that one of the data received from EOC has error.)</u></li> <li>• <u>CNES/DCS sends Level 0 Data Error report which specified in MOIS to NASDA/EOC by OCL. (Date of Data, Downlink Segment No., L0 signal file name are need.)</u></li> <li>• <u>CNES/DCS receives answer of Level 0 Data Error report by OCL. (Contents of OCL is simulated.)</u></li> <li>• <u>CNES/DCS sends Re-processing Level 0 data confirmation report to NASDA/EOC by OCL. (Contents of OCL is simulated.)</u></li> </ul> |
|                |                       | <b>ILAS-II</b>  | <ul style="list-style-type: none"> <li>• <u>NIES select error L0 data which received during CoO. (Assume that one of the data received from EOC has error.)</u></li> <li>• <u>NIES sends Level 0 Data Error report which specified in MOIS to NASDA/EOC by OCL. (Date of Data, Downlink Segment No., L0 signal file name are need.)</u></li> <li>• <u>NIES receives answer of Level 0 Data Error report by OCL. (Contents of OCL is simulated.)</u></li> <li>• <u>NIES sends Re-processing Level 0 data confirmation report to NASDA/EOC by OCL. (Contents of OCL is simulated.)</u></li> </ul>                 |

| Training Items | Working Items | Response         | Training  |
|----------------|---------------|------------------|---|
|                |               | <b>TEDA</b>      | <ul style="list-style-type: none"> <li>• <u>TEDA select error L0 data which received during CoO. (Assume that one of the data received from EOC has error.)</u></li> <li>• <u>TEDA sends Level 0 Data Error report which specified in MOIS to NASDA/EOC by OCL. (Date of Data, Downlink Segment No., L0 signal file name are need.)</u></li> <li>• <u>TEDA receives answer of Level 0 Data Error report by OCL. (Contents of OCL is simulated.)</u></li> <li>• <u>TEDA sends Re-processing Level 0 data confirmation report to NASDA/EOC by OCL. (Contents of OCL is simulated.)</u></li> </ul> |
|                |               | <b>NASDA/EOC</b> | <ul style="list-style-type: none"> <li>• NASDA/EOC receives Level 0 Data Error report from sensor providers.</li> <li>• NASDA/EOC sends answer of Level 0 Data Error report to sensor providers.</li> <li>• NASDA/EOC receives Re-processing Level 0 data confirmation report from sensor providers.</li> </ul>   |

(4) HK data request from POLDER (Sheet format is shown Appendix D)

| Training Items | Working Items               | Response           | Training  |
|----------------|-----------------------------|--------------------|---|
| Report         | HK data request from POLDER | <b>CNES/POLDER</b> | <ul style="list-style-type: none"> <li>• CNES/POLDER sends Past HK TLM Data Delivery Request <u>which specified in MOIS</u> to NASDA/EOC <u>by OCL (Target Period is need.)</u>.</li> <li>• CNES/POLDER sends HK TLM processing result report to NASDA/EOC <u>by OCL</u>.</li> </ul>  |
|                |                             | <b>NASDA/EOC</b>   | <ul style="list-style-type: none"> <li>• NASDA/EOC receives Past HK TLM Data Delivery Request from CNES/POLDER</li> <li>• NASDA/EOC sends HK TLM data generating request to NASDA/TACC.</li> <li>• NASDA/EOC receives processing complete notification from NASDA/TACC.</li> <li>• NASDA/EOC sends HK TLM processing result report to CNES/POLDER.</li> </ul> |
|                |                             | <b>NASDA/TACC</b>  | <ul style="list-style-type: none"> <li>• NASDA/TACC receives HK TLM generating request from NASDA/EOC.</li> <li>• NASDA/TACC sends answer of HK TLM data generating request to NASDA/EOC.</li> <li>• NASDA/TACC sends processing complete notification to NASDA/EOC.</li> </ul>   |

Table 10.2 Communication Training Timeline

| Training Week |   |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      | Week #78  |   |    |    | Week #80  |   |    |    |          |   |    |    |        |   |    |    |  |  |
|---------------|---|---------------|-------|-----|---|-------|------|------|-----------|--------------|------------|---------|------------|----------|--------|------|-----------|---|----|----|-----------|---|----|----|----------|---|----|----|--------|---|----|----|--|--|
| Month         |   |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      | September |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
| Day           |   |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      | 24        |   |    |    | 25        |   |    |    | 26       |   |    |    | 27     |   |    |    |  |  |
|               |   |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      | Tuesday   |   |    |    | Wednesday |   |    |    | Thursday |   |    |    | Friday |   |    |    |  |  |
| Time          |   |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      | 0         | 6 | 12 | 18 | 0         | 6 | 12 | 18 | 0        | 6 | 12 | 18 | 0      | 6 | 12 | 18 |  |  |
| Event         |   | File Name     | NASDA |     |   |       |      |      | Sea Winds | CNES/ POLDER | CLS/ JAPAN | EA NIES | NASDA TEDA | NASA NGN | Kiruna | NOAA |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               |   |               | EOC   |     |   | ADZ P | TACC | EORC |           |              |            |         |            |          |        |      |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Data loss at EOC                              |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Data loss Report from EOC                     | OCL           | snd   | -   | - | rcv   | -    | rcv  | rcv       | rcv          | rcv        | rcv     | rcv        | -        | -      | rcv  |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Data loss at Overseas Staion                  |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Data loss Report from ASF                     | OCL           | rcv   | -   | - | -     | -    | -    | -         | -            | -          | -       | -          | snd      | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Data loss Report from WFF                     | OCL           | rcv   | -   | - | -     | -    | -    | -         | -            | -          | -       | -          | snd      | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Data loss Report from Kiruna                  | OCL           | rcv   | -   | - | -     | -    | -    | -         | -            | -          | -       | -          | -        | snd    | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Data loss Report from EOC                     | OCL           | snd   | -   | - | rcv   | -    | rcv  | rcv       | rcv          | rcv        | rcv     | rcv        | -        | -      | rcv  |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Delay of NRT data at EOC                      |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | NRT Anomaly Notification from EOC             | OCL           | snd   | -   | - | rcv   | -    | rcv  | rcv       | rcv          | rcv        | rcv     | rcv        | -        | -      | rcv  |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Delay of NRT data at Overseas stations        |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | NRT Anomaly Notification from ASF             |               | rcv   | -   | - | -     | -    | -    | -         | -            | -          | -       | -          | snd      | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | NRT Anomaly Notification from WFF             | OCL           | rcv   | -   | - | -     | -    | -    | -         | -            | -          | -       | -          | snd      | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | NRT Anomaly Notification from Kiruna          | OCL           | rcv   | -   | - | -     | -    | -    | -         | -            | -          | -       | -          | -        | snd    | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | NRT Anomaly Notification from EOC             | OCL           | snd   | -   | - | rcv   | -    | rcv  | rcv       | rcv          | rcv        | rcv     | rcv        | -        | -      | rcv  |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Re-processing request                         |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Level 0 Data Error Notification from SeaWinds | OCL           | rcv   | -   | - | -     | -    | -    | snd       | -            | -          | -       | -          | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Level 0 Data Error Notification from DCS      | OCL           | rcv   | -   | - | -     | -    | -    | -         | -            | snd        | -       | -          | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Level 0 Data Error Notification from LIAS-II  | OCL           | rcv   | -   | - | -     | -    | -    | -         | -            | -          | snd     | -          | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Level 0 Data Error Notification from TEDA     | OCL           | rcv   | -   | - | -     | -    | -    | -         | -            | -          | -       | snd        | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Confirmation Report of the Re-processed Data  | OCL           | rcv   | -   | - | -     | -    | -    | snd       | snd          | snd        | snd     | snd        | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | HK data requeust from POLDER                  |               |       |     |   |       |      |      |           |              |            |         |            |          |        |      |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Past HK Data Delivery Request                 | OCL or E-mail | rcv   | -   | - | -     | -    | -    | -         | snd          | -          | -       | -          | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Hk Data Processing Request                    | FAX           | -     | -   | - | -     | -    | -    | -         | -            | -          | -       | -          | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | POLDER HK TLM data (TBD)                      | R#POLDER      | rcv   | fwd | - | -     | snd  | -    | -         | -            | -          | -       | -          | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | POLDER HK TLM data (TBD)                      | HKDTPOLDER    | snd   | fwd | - | -     | -    | -    | -         | rcv          | -          | -       | -          | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |
|               | Hk Data Processing Result                     | OCL           | snd   |     | - | -     | -    | -    | -         | -            | -          | -       | -          | -        | -      | -    |           |   |    |    |           |   |    |    |          |   |    |    |        |   |    |    |  |  |

## Appendix A    Acronyms and Abbreviations

|          |   |
|----------|---|
| ADEOS-II | : Advanced Earth Observing Satellite-II                         |
| AGSID    | : ADEOS-II to Ground Stations Interface Document                |
| AMSR     | : Advanced Microwave Scanning Radiometer                        |
| ASF      | : Alaska SAR Facility (University of Alaska)                    |
| CLS      | : Collect Localisation Satellites (CNES)                        |
| CNES     | : Centre National d'Etudes Spatiales                            |
| DCS      | : Data Collection System  |
| DMS      | : Dynamics Monitoring System                                    |
| DDS      | : Data Distribution Subsystem (NASDA/EOIS)                      |
| DRTS     | : Data Relay and Tracking Satellite                             |
| EA       | : Environment Agency of Japan                                   |
| EM       | : Engineering Model   |
| EOC      | : Earth Observation Center (NASDA)                              |
| EOIS     | : Earth Observation Data and Information System (NASDA/EOC)     |
| EORC     | : Earth Observation Research Center (NASDA)                     |
| EOS      | : Earth Observing System  |
| EOSDIS   | : EOS Data and Information System                               |
| GLI      | : Global Imager   |
| ILAS-II  | : Improved Limb Atmospheric Spectrometer-II                     |
| InetB    | : <a href="#">Internet Back Up</a>                              |
| JAFIC    | : Japan Fisheries Information Service Center                    |
| JMA      | : Japan Meteorological Agency                                   |
| LLM      | : Low Light Mode  |
| MDR      | : Mission Data Recorder   |
| MMO      | : Mission operation Management Organization                     |
| MOIF     | : Mission Operation Information File                            |
| MRT      | : Mission Real Time   |
| MST      | : Mission Simulation Test                                       |
| MSTP     | : Mission Simulation Test Plan                                  |
| MSTCP    | : Mission Simulation Test Control Plan                          |
| NASA     | : National Aeronautics and Space Administration                 |
| NASDA    | : National Space Development Agency of Japan                    |
| NESDIS   | : National Environmental Satellite Data and Information Service |
| NICD     | : Network Communications Interface Control Document             |
| NGN      | : NASA/NOAA Ground Network                                      |
| NIES     | : National Institute for Environmental Studies                  |
| NOAA     | : National Oceanic and Atmospheric Administration               |
| NRPS     | : NASDA Recording and Processing System                         |
| NRT      | : Near Real Time  |
| NTSK     | : NASDA Transportable Station-Kiruna                            |
| OBC      | : OnBoard Computer  |
| OCL      | : Operations Coordination Letter                                |
| PFM      | : Proto-Flight Model  |
| POLDER   | : Polarization and Directionality of the Earth's Reflectances   |
| SeaPAC   | : SeaWinds Processing and Analysis Center (NASA)                |
| SeaWinds | : NASA-JPL Scatterometer On ADEOS-II                            |
| SN       | : Space Network (NASDA)   |
| SSC      | : Sweden Space Corporation                                      |
| SSCAS    | : SSC Antenna System  |
| TACC     | : Tracking And Control Center (NASDA/TKSC)                      |
| TBD      | : To Be Determined  |
| TEDA     | : Technical Data Acquisition Equipment                          |

TICS : Tsukuba Intersatellite Communication Station  
TKSC : Tsukuba Space Center (NASDA)  
VMS : Visual Monitoring System  
WFF : Wallops Flight Facility

## Appendix B    Routine Operation Training ID

Table B-1 Routine Operation Training ID

| Training Name                         | Training Items                         | Contents of Training                  | Training ID |
|---------------------------------------|--|---------------------------------------|-------------|
| 21000000<br>Mission Planning Training | 21100000<br>Normal Planning Operation  | Mode-1 Planning                       | 2111000     |
|                                       |  | Mode-2 Planning                       | 2112000     |
|                                       |  | Re-submitting REQR                    | 2113000     |
|                                       |  | Re-submitting REQQ                    | 2114000     |
|                                       | 21200000<br>Anomaly Planning Operation | Restarting OBC                        | 2121000     |
|                                       |  | Rescheduling from Mode-1 to Mode-2    | 2122000     |
|                                       |  | Internet-Back-up                      | 2123000     |
|                                       |  | ILAS-II Campaign                      | 2124000     |
|                                       |  | Mean Orbit Data Delivery              | 2125000     |
| 22000000<br>Media Shipment Training   | 22100000<br>ASF Station                | Media Shipment                        | 2211000     |
|                                       |  | Request for re-sending RAW data       | 2212000     |
|                                       | 22200000<br>WFF Station                | Media Shipment                        | 2221000     |
|                                       |  | Request for re-sending RAW data       | 2222000     |
|                                       | 22300000<br>Kiruna Station             | Media Shipment                        | 2231000     |
|                                       |  | Request for re-sending RAW data       | 2232000     |
|                                       | 22500000<br>POLDER                     | Media Shipment                        | 2251000     |
|                                       |  | Request for re-sending edited L0 data | 2252000     |
| 23000000<br>Communication Training    | 23100000<br>Report                     | Data loss                             | 2311000     |
|                                       |  | Delay of NRT data transmission        | 2312000     |
|                                       |  | Re-processing request                 | 2313000     |
|                                       |  | HK data request form POLER            | 2314000     |

## Appendix C    Routine Operation Training Report Format

AD2-OP#2-    -

### ADEOS-II Training Result Report

|  |  |                     |  |
|--|--|---------------------|--|
| <u>Signature</u>                                     |  | <u>Organization</u> |  |
| <u>Training Name</u>                                 |  | <u>Training ID</u>  |  |
| <u>Training Date</u>                                 |  |                     |  |
| <u>Contents of Training</u>                          |  |                     |  |
|  |  |                     |  |
| <u>Training Result</u>                               |  |                     |  |
|  |  |                     |  |
| <u>Operation procedure</u><br><u>change proposal</u> |  |                     |  |
|  |  |                     |  |

This page describes ADEOS-II Training Result Report.

**a. Report Number**

AD2-OP#2-XXX-XXX

First XXX is agency code. Definition of organization code is shown table C-1

**Table C-1 organization code**

| <u>Category</u>                      | <u>Agency</u>      | <u>Agency code</u> |
|--------------------------------------|--------------------|--------------------|
| <u>Sensor Providers</u>              | <u>SeaPAC</u>      | <u>SPC</u>         |
|                                      | <u>CNES/POLDER</u> | <u>POL</u>         |
|                                      | <u>CNES/DCS</u>    | <u>DCS</u>         |
|                                      | <u>NIES</u>        | <u>IL2</u>         |
|                                      | <u>NASDA/SEMG</u>  | <u>TED</u>         |
| <u>Overseas Stations</u>             | <u>ASF</u>         | <u>ASF</u>         |
|                                      | <u>WFF/DSMC</u>    | <u>WFF</u>         |
|                                      | <u>Kiruna/SSC</u>  | <u>KRN</u>         |
| <u>Data utilization Organization</u> | <u>NOAA</u>        | <u>NOA</u>         |

Second XXX is sequential number. It should be add by each agencies.

**b. Signature**

Operator who attend training is sign.

**c. Organization**

Write organization name.

**d. Training name and Training ID**

Training name and Training ID for Result Report is shown in Table C-2.

**Table C-2 Training name and Training ID for Training Result Report**

| <u>Training Name</u>              | <u>Training ID</u> | <u>Contents of Training</u>  | <u>Note</u>   |
|-----------------------------------|--------------------|--|---|
| <u>Normal Planning Operation</u>  | <u>21100000</u>    | <u>Mode-1 Planning. Mode-2 Planning. Re-submitting REQ. Re-submitting REQ</u>                          | <u>Report all together about Normal Planning Operation.</u> |
| <u>Anomaly Planning Operation</u> | <u>2121000</u>     | <u>Restarting OBC. Rescheduling from Mode-1 to Mode-2.</u>   | <u>N/A</u>  |
|                                   | <u>2124000</u>     | <u>ILAS-II Campaign</u>  | <u>N/A</u>  |
|                                   | <u>2125000</u>     | <u>Mean Orbit Data Delivery</u>  | <u>N/A</u>  |
| <u>Media Shipment Training</u>    | <u>2210000</u>     | <u>Media Shipment and Request for re-sending RAW data</u>  | <u>ASF station reports.</u>                                 |
|                                   | <u>22200000</u>    | <u>Media Shipment and Request for re-sending RAW data</u>  | <u>WFF Station reports</u>                                  |
|                                   | <u>22300000</u>    | <u>Media Shipment and Request for re-sending RAW data</u>  | <u>Kiruna Station reports.</u>                              |
|                                   | <u>22500000</u>    | <u>Media Shipment and Request for re-sending edited L0 data</u>  | <u>CNES/POLDER repots.</u>                                  |
| <u>Communication Training</u>     | <u>23100000</u>    | <u>Data loss. Delay of NRT data transmission. Re-processing request and HK data request form POLER</u> | <u>All agencies report related training items.</u>          |

**Note: InetB is not include this result report.**

**e. Training Date**

Fill the training date. If training is performed several days, put training periods.

**f. Contents of Training**

Fill the Contents of Training shown in Table C-2.

**g. Training Result**

Fill the result of each training. If training is performed without trouble, write contents of training and O.K. If something trouble in training and its trouble is related to other organization, report issue and resolution.

**h. Operation procedure change proposal**

If some inconvenience operation procedure has occurred between NASDA/EOC and related agencies, trainee propose improvement of operation procedure.

## ADEOS-II Training Result Report (Sample)

|  |  |                     |                  |
|--|--|---------------------|------------------|
| <u>Signature</u>                           | <u>那須田 太郎</u>  | <u>Organization</u> | <u>NASDA/EOC</u> |
| <u>Training Name</u>                       | <u>Normal Planning Operation</u>   | <u>Training ID</u>  | <u>21100000</u>  |
| <u>Training Date</u>                       | <u>Aug. 28,2002 - Sep. 27, 2002</u>  |                     |                  |
| <u>Contents of Training</u>                | <u>Mode-1 Planning,</u><br><u>Mode-2 Planning,</u><br><u>Re-submitting REQR,</u><br><u>Re-submitting REQQ</u>  |                     |                  |
| <u>Training Result</u>                     | <u>Mode-1 Planning was performed without trouble. Procedure is confirmed by operator.</u><br><u>Mode-2 Planning was performed without trouble. Procedure is confirmed by operator.</u><br><u>Re-submitting REQR had some anomaly on system and delay of submitting REQR. (Refer to problem report No.XXX).</u><br><u>Re-submitting REQQ. XXX (some agencies) delayed for sending re-submitting REQQ.</u> |                     |                  |
| <u>Operation procedure change proposal</u> | <u>If some inconvenience operation procedure has occurred between NASDA/EOC and related agencies, trainee propose improvement of operation procedure.</u>  |                     |                  |

## Appendix D Sheet Format

- (1) OCL format for SeaWinds
- (2) OCL format for ASF
- (3) OCL format for WFF
- (4) OCL format for NOAA
- (5) Data error notification for SeaWinds
- (6) OCL format for POLDER
- (7) Past HK Data Delivery Request
- (8) OCL format for DCS
- (9) Level 0 data Error Notification for DCS
- (10) OCL format for SSC
- (11) OCL format for ILAS-II
- (12) Level 0 data Error Notification for ILAS-II
- (13) Frequency of Orbit delivery change request for ILAS-II
- (14) OCL format for TEDA
- (15) Level 0 data Error Notification for TEDA
- (16) Data Loss and Level 0 data Delivery Delay Notification from NASDA/EOC
- (17) Data Loss and Level 0 data Delivery Delay Notification from Overseas Station
- (18) ADEOS-II Anomaly Notification FAX

**The contents of this OCL is simulated for training**

| <b><u>ADEOS-II/SeaWinds</u></b><br><b>Operations</b><br><b>Coordination Letter</b>  |  |                     |
|---|--|---------------------|
| <i>Total      Pages (incl. this form)</i>   |  |                     |
| <b>TO:</b>  | <b>Fax No.</b> :<br><b>Phone No.</b> : |                     |
| <b>CC:</b>  | <b>Fax No.</b> :<br><b>Phone No.</b> : |                     |
| <b>FROM:</b>  | <b>Fax No.</b> :<br><b>Phone No.</b> : |                     |
| <b>ADEOS-II/SeaWinds OCL No.</b>  | <b>Date:</b> /    /                    |                     |
| <b>PURPOSE OF THIS FAX</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Notification of Anomalies<br/> <input type="checkbox"/> Request of Real Time Command<br/> <input type="checkbox"/> Operation Change Request (Updated REQQ)<br/> <input type="checkbox"/> OPLN/SHAQ File Delivery Delay<br/> <input type="checkbox"/> Notification of Orbit Data Delivery Frequency Change         </div> <div style="width: 45%;"> <input type="checkbox"/> Data Acquisition Loss Report<br/> <input type="checkbox"/> Data Error Report<br/>               <input type="checkbox"/> Level 0 Data     <input type="checkbox"/> HK TLM Data<br/>               <input type="checkbox"/> Other Data (                          )<br/> <input type="checkbox"/> MOIF Error Report<br/> <input type="checkbox"/> Q &amp;A<br/> <input type="checkbox"/> Others ( _____ )         </div> </div> |  |                     |
| <b>SUBJECT :</b><br><b>REQUESTED RESPONSE DATE :</b> /    /<br><b>MESSAGE</b>   |  |                     |
| <b>APPROVED BY:</b>   | <b>CHECKED BY:</b>                     | <b>PREPARED BY:</b> |
| <b>OCL RECEPTION</b>  |  |                     |
| <b>ATTENTION:</b>   |  |                     |
| <b>FAX No.:</b>   |  |                     |
| <input type="checkbox"/> THIS OCL WAS RECEIVED ON     /     /   |  |                     |
| <input type="checkbox"/> TRANSMISSION OF THIS OCL WAS IMCOMPLETED, PLEASE SEND AGAIN  |  |                     |
| <b>MESSAGES:</b>  |  |                     |
|   |  |                     |
| <b>SIGNATURE:</b>   |  |                     |

## **ADEOS-II Operation Training No.2**

**The contents of this OCL is simulated for training**

(2) OCL for ASF

☐ **URGENT**      ☐ **NORMAL**

### **ADEOS-II/ASF Operations Coordination Letter**

*Total      Pages (incl. this form)*

**TO:**

**Fax No. :**

**Phone No. :**

**CC:**

**Fax No. :**

**Phone No. :**

**FROM:**

**Fax No. :**

**Phone No. :**

**ADEOS-II/ASF OCL No.**

**Date:      /      /**

#### **PURPOSE OF THIS FAX**

- ☐ Notification of Anomalies
- ☐ Request of Real Time Command
- ☐ Operation Change Request  
(Updated REQQ)
- ☐ OPLN/SHAQ File Delivery Delay
- ☐ Notification of Orbit Data Delivery  
Frequency Change

- ☐ Data Acquisition Loss Report
- ☐ Data Error Report
  - ☐ Level 0 Data      ☐ HK TLM Data
  - ☐ Other Data (                      )
- ☐ MOIF Error Report
- ☐ Q &A
- ☐ Others (                      )

**SUBJECT :**

**REQUESTED RESPONSE DATE :      /      /**

**MESSAGE**

**APPROVED BY:**

**CHECKED BY:**

**PREPARED BY:**

#### ***OCL RECEPTION***

**ATTENTION:**

**FAX No.:**

☐ THIS OCL WAS RECEIVED ON      /      /

☐ TRANSMISSION OF THIS OCL WAS IMCOMPLETED, PLEASE SEND AGAIN

**MESSAGES:**

**SIGNATURE:**

## **ADEOS-II Operation Training No.2**

**The contents of this OCL is simulated for training**

(3) OCL for WFF

☐ **URGENT**      ☐ **NORMAL**

### **ADEOS-II/WFF Operations Coordination Letter**

*Total      Pages (incl. this form)*

|              |  |
|--------------|--|
| <b>TO:</b>   | <b>Fax No. :</b><br><b>Phone No. :</b> |
| <b>CC:</b>   | <b>Fax No. :</b><br><b>Phone No. :</b> |
| <b>CC:</b>   | <b>Fax No. :</b><br><b>Phone No. :</b> |
| <b>FROM:</b> | <b>Fax No. :</b><br><b>Phone No. :</b> |

|                             |                        |
|-----------------------------|------------------------|
| <b>ADEOS-II/WFF OCL No.</b> | <b>Date:    /    /</b> |
|-----------------------------|------------------------|

#### **PURPOSE OF THIS FAX**

- |  |  |
|--|--|
| <input type="checkbox"/> Notification of Anomalies                               | <input type="checkbox"/> Data Acquisition Loss Report                      |
| <input type="checkbox"/> Request of Real Time Command                            | <input type="checkbox"/> Data Error Report                                 |
| <input type="checkbox"/> Operation Change Request<br>(Updated REQQ)              | <input type="checkbox"/> Level 0 Data <input type="checkbox"/> HK TLM Data |
| <input type="checkbox"/> OPLN/SHAQ File Delivery Delay                           | <input type="checkbox"/> Other Data (                      )               |
| <input type="checkbox"/> Notification of Orbit Data Delivery<br>Frequency Change | <input type="checkbox"/> MOIF Error Report                                 |
|  | <input type="checkbox"/> Q &A  |
|  | <input type="checkbox"/> Others (                      )                   |

**SUBJECT :**

**REQUESTED RESPONSE DATE :    /    /**

**MESSAGE**

|                     |                    |                     |
|---------------------|--------------------|---------------------|
| <b>APPROVED BY:</b> | <b>CHECKED BY:</b> | <b>PREPARED BY:</b> |
|---------------------|--------------------|---------------------|

### ***OCL RECEPTION***

**ATTENTION:**

**FAX No.:**

- ☐ THIS OCL WAS RECEIVED ON    /    /
- ☐ TRANSMISSION OF THIS OCL WAS IMCOMPLETED, PLEASE SEND AGAIN

**MESSAGES:**

**SIGNATURE:**

## **ADEOS-II Operation Training No.2**

**The contents of this OCL is simulated for training**

(4) OCL for NOAA

☐ **URGENT**      ☐ **NORMAL**

### **ADEOS-II/NOAA Operations Coordination Letter**

*Total      Pages (incl. this form)*

|   |  |
|---|--|
| <b>TO:</b>                                | <b>Fax No. :</b><br><b>Phone No. :</b> |
| <b>CC:</b>                                | <b>Fax No. :</b><br><b>Phone No. :</b> |
| <b>FROM:</b>                              | <b>Fax No. :</b><br><b>Phone No. :</b> |
| <b>ADEOS-II/NOAA OCL No. <u>QT2-2</u></b> | <b>Date:      Sep. /      /2002</b>    |

#### **PURPOSE OF THIS FAX**

- |  |  |
|--|--|
| <input type="checkbox"/> Notification of Anomalies                               | <input type="checkbox"/> Data Acquisition Loss Report                      |
| <input type="checkbox"/> Request of Real Time Command                            | <input type="checkbox"/> Data Error Report                                 |
| <input type="checkbox"/> Operation Change Request<br>(Updated REQQ)              | <input type="checkbox"/> Level 0 Data <input type="checkbox"/> HK TLM Data |
| <input type="checkbox"/> OPLN/SHAQ File Delivery Delay                           | <input type="checkbox"/> Other Data (                      )               |
| <input type="checkbox"/> Notification of Orbit Data Delivery<br>Frequency Change | <input type="checkbox"/> MOIF Error Report                                 |
|  | <input type="checkbox"/> Q &A  |
|  | <input type="checkbox"/> Others (                      )                   |

**SUBJECT :**

**REQUESTED RESPONSE DATE :    /    /**

**MESSAGE**

|                     |                    |                     |
|---------------------|--------------------|---------------------|
| <b>APPROVED BY:</b> | <b>CHECKED BY:</b> | <b>PREPARED BY:</b> |
|---------------------|--------------------|---------------------|

#### ***OCL RECEPTION***

**ATTENTION:**

**FAX No.:**

- ☐ THIS OCL WAS RECEIVED ON    /    /
- ☐ TRANSMISSION OF THIS OCL WAS IMCOMPLETED, PLEASE SEND AGAIN

**MESSAGES:**

**SIGNATURE:**

## **ADEOS-II Operation Training No.2**

**The contents of this OCL is simulated for training**

| Data Error Notification for<br><input type="checkbox"/> ? SeaWinds Level 0 / <input type="checkbox"/> ? HK Source Packet |   |                                      |
|--|---|--------------------------------------|
| <i>Error Notification (SeaPAC → NASDA/EOC &amp; NOAA)</i>  |   |                                      |
| Target Data  | Date of Data  | YYYYMMDD                             |
|  | Downlink Segment No.  | DSSEAddddsss-zz                      |
|  | Level 0 Signal<br>File Name   | SEA_MDR_XXX_L0_SIG_<br>YYYYMMDD_pnnn |
| Error  | <input type="checkbox"/> Number of packets in signal file does not correspond to the status report file.<br><input type="checkbox"/> Continuity of sequence counter in signal file does not correspond to the status report file.<br><input type="checkbox"/> Other ( ) |                                      |
| Note   |   |                                      |
| <i>Response to the Error Notification (NASDA/EOC → SeaPAC &amp; NOAA)</i>  |   |                                      |
| Deliver Date of the Re-processed Data  | YYYYMMDD  |                                      |
| Note   |   |                                      |
| <i>Confirmation Report of the Re-Processed Data (SeaPAC → NASDA/EOC &amp; NOAA)</i>                                      |   |                                      |
| Confirmation Result  | <input type="checkbox"/> Error was solved<br><input type="checkbox"/> Same error was found.<br><input type="checkbox"/> The quality of re-processed data became worse than the original one.<br><input type="checkbox"/> Others ( )                                     |                                      |
| Note   |   |                                      |

**ADEOS-II Operation Training No.2**  
**The contents of this OCL is simulated for training**

☐ URGENT      ☐ NORMAL

**ADEOS-II/POLDER**  
**Operations**  
**Coordination Letter**

Total Pages (incl. this form)

|  |                    |                     |
|--|--------------------|---------------------|
| <b>TO:</b>   | <b>Fax No.</b> :   |                     |
|  | <b>Phone No.</b> : |                     |
| <b>CC:</b>   | <b>Fax No.</b> :   |                     |
|  | <b>Phone No.</b> : |                     |
| <b>FROM:</b>   | <b>Fax No.</b> :   |                     |
|  | <b>Phone No.</b> : |                     |
| <b>ADEOS-II/POLDER OCL No.</b>   | <b>Date:</b> /   / |                     |
| <b>PURPOSE OF THIS FAX</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Notification of Anomalies<br/> <input type="checkbox"/> Request of Real Time Command<br/> <input type="checkbox"/> Operation Change Request (Updated REQQ)<br/><br/> <input type="checkbox"/> OPL1 File Delivery Delay<br/> <input type="checkbox"/> Past HK TLM Data Delivery Request<br/> <input type="checkbox"/> Notification of Orbit Data Delivery Frequency Change       </div> <div style="width: 48%;"> <input type="checkbox"/> Data Acquisition Loss Report<br/> <input type="checkbox"/> Data Error Report<br/> <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Level 0 Data           <input type="checkbox"/> HK TLM Data         </div> <input type="checkbox"/> Other Data ( )<br/><br/> <input type="checkbox"/> MOIF Error Report<br/> <input type="checkbox"/> Q &amp;A<br/> <input type="checkbox"/> Others ( )       </div> </div> |                    |                     |
| <b>SUBJECT :</b><br><b>REQUESTED RESPONSE DATE :   /   /</b><br><b>MESSAGE</b>   |                    |                     |
| <b>APPROVED BY:</b>  | <b>CHECKED BY:</b> | <b>PREPARED BY:</b> |

## OCL RECEPTION

**ATTENTION:**

**FAX No.:**

☐ THIS OCL WAS RECEIVED ON      /      /

☐ TRANSMISSION OF THIS OCL WAS IMCOMPLETED, PLEASE SEND AGAIN

**MESSAGES:**

**SIGNATURE:**

**ADEOS-II Operation Training No.2**  
**The contents of this OCL is simulated for training**

| Past HK Data Delivery Request               |  |                  |
|---|--|------------------|
| <i>Request (CNES → NASDA/EOC)</i>           |  | Date    YYYYMMDD |
| Target Period                               | From   | YYYYMMDD         |
|   | To   | YYYYMMDD         |
| Reason                                      |  |                  |
| <i>Processing Result (NASDA/EOC → CNES)</i> |  | Date    YYYYMMDD |
| Processing Result                           | <input type="checkbox"/> HK TLM data processing was completed successfully for requested target period.  |                  |
|   | <input type="checkbox"/> HK TLM data processing was failed for requested target period.  |                  |
|   | <input type="checkbox"/> HK TLM data processing was partially failed for requested target period.<br><br><div style="text-align: center;">             &lt;&lt; Period of successfully processed HK TLM data &gt;&gt;<br/>             From    : YYYYMMDD<br/>             To      : YYYYMMDD           </div> |                  |
| Note  | (ex.: Reason for failure of processing, etc.)  |                  |

## **ADEOS-II Operation Training No.2**

The contents of this OCL is simulated for training

☐ **URGENT**     ☐ **NORMAL**

### **ADEOS-II/DCS Operations Coordination Letter**

*Total    Pages (incl. this form)*

|  |  |
|--|--|
| <b>TO:</b>   | <b>Fax No. :</b>   |
|  | <b>Phone No. :</b>   |
| <b>CC:</b>   | <b>Fax No. :</b>   |
|  | <b>Phone No. :</b>   |
| <b>FROM:</b>   | <b>Fax No. :</b>   |
|  | <b>Phone No. :</b>   |
| <b>ADEOS-II/DCS OCL No.</b>  | <b>Date:    /    /</b>   |
| <b>PURPOSE OF THIS FAX</b>   |  |
| <input type="checkbox"/> Notification of Anomalies                               | <input type="checkbox"/> Data Error Report                                 |
| <input type="checkbox"/> Request of Real Time Command                            | <input type="checkbox"/> Level 0 Data <input type="checkbox"/> HK TLM Data |
| <input type="checkbox"/> OPLN File Delivery Delay                                | <input type="checkbox"/> Other Data (                      )               |
| <input type="checkbox"/> Notification of Orbit Data Delivery<br>Frequency Change | <input type="checkbox"/> MOIF Error Report                                 |
| <input type="checkbox"/> Data Acquisition Loss Report                            | <input type="checkbox"/> Q &A  |
|  | <input type="checkbox"/> Others (                      )                   |
| <b>SUBJECT :</b>   |  |
| <b>REQUESTED RESPONSE DATE :    /    /</b>                                       |  |
| <b>MESSAGE</b>   |  |
| <br><br><br><br><br><br><br><br><br><br>   |  |
| <b>APPROVED BY:</b>  | <b>CHECKED BY:</b>   |
|  |  |
| <b>PREPARED BY:</b>  |  |

### ***OCL RECEPTION***

**ATTENTION:**  
**FAX No.:**

- ☐ THIS OCL WAS RECEIVED ON    /    /
- ☐ TRANSMISSION OF THIS OCL WAS IMCOMPLETED, PLEASE SEND AGAIN

**MESSAGES:**

**SIGNATURE:**

## **ADEOS-II Operation Training No.2**

The contents of this OCL is simulated for training

| Level 0 Data Error Notification  |   |   |
|--|---|---|
| <i>Error Notification (CNES/CLS → NASDA/EOC)</i>                           |   |   |
| Level 0 data   | Data Date   | YYYYMMDD  |
|  | Downlink Segment No.  | DDCSddddsss-zz  |
|  | Level 0 Signal File Name  | DCS_MDR_XXX_L0_SIG_YYYYMMDD_pnnn                                  |
| Error  | Number of CCSDS source packet in the level 0 signal file is not consisted with the corresponding status report file<br>Continuity of VCDU Counter in the level 0 signal file is not consisted with the corresponding status report file.<br>Other ( ) |   |
| Note   |   |   |
| <i>Response to the Error Notification (NASA/EOC → CNES/CLS)</i>            |   |   |
| Level 0 Re-processing  | Accept  | Reject : Reason<br>The level 0 data is regional data<br>Other ( ) |
| Delivery Date (Plan)   | YYYYMMDD  |   |
| Note   |   |   |
| <i>Confirmation Report of the Re-processed Data (CNES/CLS → NASDA/EOC)</i> |   |   |
| Attention  | NASDA/EOC<br>Mr.  |   |
| Result   | Error is corrected<br>Same error is found as the original level 0 data<br>More worse condition than the original level 0 data<br>Others ( )   |   |
| Note   |   |   |

**The contents of this OCL is simulated for training**

| <b><u>ADEOS-II/SSC</u></b><br><b>Operations</b><br><b>Coordination Letter</b>   |  |                     |
|---|--|---------------------|
| <i>Total      Pages (incl. this form)</i>   |  |                     |
| <b>TO:</b>  | <b>Fax No.        :</b><br><b>Phone No.    :</b> |                     |
| <b>CC:</b>  | <b>Fax No.        :</b><br><b>Phone No.    :</b> |                     |
| <b>FROM:</b>  | <b>Fax No.        :</b><br><b>Phone No.    :</b> |                     |
| <b>ADEOS-II/SeaWinds OCL No.</b>  | <b>Date:        /        /</b>                   |                     |
| <b>PURPOSE OF THIS FAX</b><br><div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Notification of Anomalies<br/> <input type="checkbox"/> OPLN/SHAQ File Delivery Delay<br/> <input type="checkbox"/> Notification of Orbit Data Delivery Frequency Change </div> <div style="width: 45%;"> <input type="checkbox"/> Data Acquisition Loss Report<br/> <input type="checkbox"/> MOIF Error Report<br/> <input type="checkbox"/> Q &amp;A<br/> <input type="checkbox"/> Others ( _____ ) </div> </div> |  |                     |
| <b>SUBJECT :</b><br><b>REQUESTED RESPONSE DATE :    /    /</b><br><b>MESSAGE</b>  |  |                     |
| <b>APPROVED BY:</b>   | <b>CHECKED BY:</b>                               | <b>PREPARED BY:</b> |
| <b><i>OCL RECEPTION</i></b>   |  |                     |
| <b>ATTENTION:</b><br><b>FAX No.:</b>  |  |                     |
| <input type="checkbox"/> THIS OCL WAS RECEIVED ON        /        /   |  |                     |
| <input type="checkbox"/> TRANSMISSION OF THIS OCL WAS IMCOMPLETED, PLEASE SEND AGAIN  |  |                     |
| <b>MESSAGES:</b>  |  |                     |
| <b>SIGNATURE:</b>   |  |                     |

**ADEOS-II Operation Training No.2**  
**本OCLの内容は訓練の為模擬しております。**

☐ 緊急    ☐ 通常

**ADEOS-II/ILAS-II**  
**Operations**  
**Coordination Letter**

Total Pages (incl. this form)

|   |                          |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
|---|--------------------------|---|--------------------------|-----------|---------------------------------------|--------------------------|----------|--|--------------------------|---|---|--------------------------|--------|--|--------------------------|-----------|--|--------------------------|-------|--|--------------------------|--------|
| TO:   | Fax No.                  |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| CC:   | Fax No.                  |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| FROM:   | Fax No.                  |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| ADEOS-II/LAS-II OCL No.   | Date: / /                |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| 本OCLの目的<br><table><tr><td><input type="checkbox"/> 不具合通知</td><td><input type="checkbox"/></td><td>データ受信ロス報告</td></tr><tr><td><input type="checkbox"/> リアルタイムコマンド要求</td><td><input type="checkbox"/></td><td>データ不具合報告</td></tr><tr><td><input type="checkbox"/> 運用変更要求（再REQQ）</td><td><input type="checkbox"/></td><td>レベル0データ      <input type="checkbox"/> HK TLM データ</td></tr><tr><td><input type="checkbox"/> OPLNファイル提供遅延通知</td><td><input type="checkbox"/></td><td>その他（ ）</td></tr><tr><td><input type="checkbox"/> 軌道データ提供頻度変更要求</td><td><input type="checkbox"/></td><td>MOIFエラー報告</td></tr><tr><td><input type="checkbox"/> 軌道データ提供頻度変更通知</td><td><input type="checkbox"/></td><td>質問／回答</td></tr><tr><td></td><td><input type="checkbox"/></td><td>その他（ ）</td></tr></table> |                          | <input type="checkbox"/> 不具合通知                | <input type="checkbox"/> | データ受信ロス報告 | <input type="checkbox"/> リアルタイムコマンド要求 | <input type="checkbox"/> | データ不具合報告 | <input type="checkbox"/> 運用変更要求（再REQQ） | <input type="checkbox"/> | レベル0データ <input type="checkbox"/> HK TLM データ | <input type="checkbox"/> OPLNファイル提供遅延通知 | <input type="checkbox"/> | その他（ ） | <input type="checkbox"/> 軌道データ提供頻度変更要求 | <input type="checkbox"/> | MOIFエラー報告 | <input type="checkbox"/> 軌道データ提供頻度変更通知 | <input type="checkbox"/> | 質問／回答 |  | <input type="checkbox"/> | その他（ ） |
| <input type="checkbox"/> 不具合通知  | <input type="checkbox"/> | データ受信ロス報告                                     |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| <input type="checkbox"/> リアルタイムコマンド要求   | <input type="checkbox"/> | データ不具合報告                                      |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| <input type="checkbox"/> 運用変更要求（再REQQ）  | <input type="checkbox"/> | レベル0データ <input type="checkbox"/> HK TLM データ   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| <input type="checkbox"/> OPLNファイル提供遅延通知   | <input type="checkbox"/> | その他（ ）  |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| <input type="checkbox"/> 軌道データ提供頻度変更要求  | <input type="checkbox"/> | MOIFエラー報告                                     |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| <input type="checkbox"/> 軌道データ提供頻度変更通知  | <input type="checkbox"/> | 質問／回答   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
|   | <input type="checkbox"/> | その他（ ）  |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| 件名：<br>回答希望年月日：<br>連絡事項：  |                          |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| 承認：   | 確認：                      | 作成：   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| OCL 受確認領通知宛先: ( Fax No.: )  |                          |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| <input type="checkbox"/> 本OCLの受領年月日: / /  |                          | <input type="checkbox"/> 本OCLの送信が不完全なため、再送を要求 |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| 連絡事項：   |                          |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| 署名：   |                          |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| OCL 回答宛先: ( Fax No.: )  |                          |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| 回答希望年月日：<br>連絡事項：   |                          |   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |
| 承認：   | 確認：                      | 作成：   |                          |           |                                       |                          |          |  |                          |   |   |                          |        |  |                          |           |  |                          |       |  |                          |        |

**ADEOS-II Operation Training No.2**  
**本OCLの内容は訓練の為模擬しております。**

| レベル0データエラー通知                  |   |                                  |
|-------------------------------|---|----------------------------------|
| 宛 先                           | 宇宙開発事業団 地球観測センター  |                                  |
| 対象データ                         | データ日付   | 年 月 日                            |
|                               | ダウンロード番号  | DIL2ddddsss-zz                   |
|                               | レベル0シグナルファイル名   | IL2_MDR_XXX_L0_SIG_YYYYMMDD_pnnn |
| エラー内容                         | ステータスファイル内のパケット数情報とシグナルファイル内のパケット数が一致しない。<br>ステータスレポート内のシーケンスカウンタ連続性情報と、シグナルファイル内のシーケンスカウンタ連続性が一致しない。<br>その他（ ） |                                  |
| 備 考                           |   |                                  |
| レベル0エラー通知 回答 (再処理レベル0データ伝送通知) |   |                                  |
| 宛 先                           | 国立環境研究所 地球環境研究センター  |                                  |
| 再処理レベル0<br>提供予定日              | 年 月 日   |                                  |
| 備 考                           |   |                                  |
| 再処理レベル0データ内容確認通知              |   |                                  |
| 宛 先                           | 宇宙開発事業団 地球観測センター  |                                  |
| 再処理データ<br>確 認 結 果             | エラーが解消した。<br>同様のエラーが発生した。<br>より品質が劣化した。<br>その他（ ）   |                                  |
| 備 考                           |   |                                  |

**ADEOS-II Operation Training No.2**  
**本OCLの内容は訓練の為模擬しております。**

| 軌道データ提供頻度変更要求通知 / 回答      |                            |                  |       |
|---------------------------|----------------------------|------------------|-------|
| 変更要求通知 (NIES      NASDA ) |                            | 要求日              | /   / |
| 変更要求期間                    | 変更開始<br>( 月水金   毎日 )       | /   /   ( 月曜のみ ) |       |
|                           | 変更終了<br>( 毎日   月水金 )       | /   /   ( 月曜のみ ) |       |
| 変更理由                      |                            |                  |       |
| 変更要求回答 (NASDA      NIES ) |                            | 回答日              | /   / |
| 回      答                  | 受領                      棄却 |                  |       |
| 連絡事項                      | ( 要求棄却の理由等 )               |                  |       |

**本OCLの内容は訓練の為模擬しております**

| <b><u>ADEOS-II/TEDA</u></b><br><b>Operations</b><br><b>Coordination Letter</b>   |   |   |
|--|---|---|
|  |   | <i>Total      Pages (incl. this form)</i> |
| <b>TO:</b>   | Fax No.    :<br>Phone No. :                   |   |
| <b>CC:</b>   | Fax No.    :<br>Phone No. :                   |   |
| <b>FROM:</b>   | Fax No.:<br>Phone No.    :                    |   |
| <b>ADEOS-II/TEDA OCL No.</b>   | Date:   /   /                                 |   |
| 本OCLの目的<br><br><div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> 不具合通知<br/> <input type="checkbox"/> リアルタイムコマンド要求<br/> <input type="checkbox"/> OPLNファイル提供遅延通知<br/> <input type="checkbox"/> 軌道データ提供頻度変更通知             </div> <div style="width: 50%;"> <input type="checkbox"/> データ受信ロス報告<br/> <input type="checkbox"/> データ不具合報告<br/> <div style="margin-left: 20px;"><input type="checkbox"/> レベル0データ     <input type="checkbox"/> HK TLM データ</div> <input type="checkbox"/> MOIFエラー報告<br/> <input type="checkbox"/> 質問 / 回答<br/> <input type="checkbox"/> その他(                                  )             </div> </div> |   |   |
| <b>件名：</b><br><b>回答希望年月日：</b><br><b>連絡事項：</b>  |   |   |
| <b>承認：</b>   | <b>確認：</b>                                    | <b>作成：</b>                                |
| OCL <b>受確認領通知</b> 宛先: _____ ( Fax No. : _____ )  |   |   |
| <input type="checkbox"/> 本OCLの受領年月日：        /        /   | <input type="checkbox"/> 本OCLの送信が不完全なため、再送を要求 |   |
| <b>連絡事項：</b>   |   |   |
| 署名：  |   |   |

**ADEOS-II Operation Training No.2**  
**本OCLの内容は訓練の為模擬しております**

| レベル0データエラー通知                  |   |                                  |
|-------------------------------|---|----------------------------------|
| 宛 先                           | 宇宙開発事業団 地球観測センター  |                                  |
| 対象データ                         | データ日付   | 年 月 日                            |
|                               | データリンク管理番号  | DTEDddddsss-zz                   |
|                               | レベル0シグナルファイル名   | TED_MDR_XXX_L0_SIG_YYYYMMDD_pnnn |
| エラー内容                         | ステータスファイル内のパケット数情報とシグナルファイル内のパケット数が一致しない。<br>ステータスレポート内のシーケンスカウンタ連続性情報と、シグナルファイル内のシーケンスカウンタ連続性が一致しない。<br>その他（ ） |                                  |
| 備 考                           |   |                                  |
| レベル0エラー通知 回答 (再処理レベル0データ伝送通知) |   |                                  |
| 宛 先                           | 宇宙開発事業団 筑波宇宙センター<br>電子・情報系技術研究部 宇宙環境計測グループ  |                                  |
| 再処理レベル0<br>提供予定日              | 年 月 日   |                                  |
| 備 考                           |   |                                  |
| 再処理レベル0データ内容確認通知              |   |                                  |
| 宛 先                           | 宇宙開発事業団 地球観測センター  |                                  |
| 再処理データ<br>確 認 結 果             | エラーが解消した。<br>同様のエラーが発生した。<br>より品質が劣化した。<br>その他（ ）   |                                  |
| 備 考                           |   |                                  |

**ADEOS-II Operation Training No.2 The contents of this report is simulated for training**

|  |   |
|--|---|
| <u>Sample of Data loss and</u><br><u>Level 0 data Delivery Delay Notification</u>  | <b>EARTH OBSERVATION CENTER</b><br>1401,NUMANOUE,OHASHI,HATOYAMA-MACHI,<br>HIKI-GUN,SAITAMA,350-0393,JAPAN<br>FAX No.:+81-492-98-1001 |
| <p>To :           NOAA<br/>              SeaPAC<br/>              NIES<br/>              CNES<br/>              CLS(Japan)<br/>              SEES<br/>              TKSC<br/>              EORC</p> <p>From : ADEOS-   Recording subsystem Operator (RESTEC/EOC)<br/>          (TEL:+81-49-298-1263/FAX:+81-49-298-1398/e-mail:jusinka@eoc.nasda.go.jp)</p> <p>Date : ____/____/____ - ____:____(UT)</p>   |   |
| <p>Subject :           Raw data Acquisition Loss Notification<br/>                      Level 0 data Delivery Delay Notification</p>   |   |
| <p>[Raw data Acquisition Loss Notification]</p> <p>&lt;Target Data&gt;</p> <p>Acquisition date:____/____/____   RSP Path No. :        Station :        </p> <p>Down link segments No.:_____</p> <p>Raw data deficit type :       All data       Some data</p> <p>&lt;Reason&gt;</p> <p>Receiving subsystem problem   Recording subsystem problem</p> <p>Satellite anomaly( ADEOS-       DRTS)   Weather( Heavy snow   Heavy rain)</p> <p>Others ( _____ )</p>  |   |
| <p>[Level 0 data Delivery Delay Notification]</p> <p>&lt;Target Data&gt;</p> <p>Acquisition date:____/____/____   RSP Path No. :        Station :        </p> <p>Sensor name :   GLI-1Km   GLI-250m   AMSR   SeaWinds   ILAS-       POLDER   TEDA   DCS</p> <p>                  VMS   DMS-1   DMS-2</p> <p>Data type :   Level 0 data   HK source data   HK data</p> <p>Down link segments No.:_____</p> <p>&lt;Reason&gt;</p> <p>Recording subsystem problem   Data distribution subsystem problem</p> <p>Others ( _____ )</p> <p>&lt;Anticipation Delivery time&gt;</p> <p>____/____/____ - ____:____(UT)</p> |   |
| <p>[Note]</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>  |   |

**ADEOS-II Operation Training No.2 The contents of this report is simulated for training**

Sample of Data loss and  
Level 0 data Delivery Delay Notification

**EARTH OBSERVATION CENTER**  
1401,NUMANOUE,OHASHI,HATOYAMA-MACHI,  
HIKI-GUN,SAITAMA.350-0393,JAPAN  
FAXNo.:+81-492-98-1001

To : N A S D A / E O C  
( ADEOS- Recording subsystem Operator (RESTEC/EOC) )

From : ASF  
WFF  
Kiruna

Date : \_\_\_\_ / \_\_\_\_ / \_\_\_\_ - \_\_\_\_ : \_\_\_\_ (UT)

Subject : Raw data Acquisition Loss Notification  
Level 0 data Delivery Delay Notification

[Raw data Acquisition Loss Notification]

<Target Data>

Acquisition date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ RSP Path No. : \_\_\_\_ Station : \_\_\_\_

Downlink segments No.: \_\_\_\_

Raw data deficit type : All data Some data

<Reason>

Receiving subsystem problem Recording subsystem problem  
Satellite anomaly( ADEOS- DRTS) Weather( Heavy snow Heavy rain)  
Others ( \_\_\_\_ )

[Level 0 data Delivery Delay Notification]

<Target Data>

Acquisition date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ RSP Path No. : \_\_\_\_ Station : \_\_\_\_  
Sensor name : GLI-1Km GLI-250m AMSR SeaWinds ILAS- POLDER TEDA DCS  
VMS DMS-1 DMS-2

Data type : Level 0 data HK source data HK data

Downlink segments No.: \_\_\_\_

<Reason>

Recording subsystem problem Data distribution subsystem problem  
Others ( \_\_\_\_ )

<Anticipation Delivery time>

\_\_\_\_ / \_\_\_\_ / \_\_\_\_ - \_\_\_\_ : \_\_\_\_ (UT)

[Note]

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **ADEOS-II Operation Training No.2**

The contents of this FAX is simulated for training

### **ADEOS II *Anomaly Notification FAX***

Anomaly Type:                      DRTS                      ADEOS II                      Other

Anomaly Occurred: \_\_\_\_\_ (mm/dd/yy hh:mm) UTC

New Operations to Begin: \_\_\_\_\_ (mm/dd/yy hh:mm) UTC

New REQR will be Sent: \_\_\_\_\_ (mm/dd/yy hh:mm) UTC

Comments:

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Point of Contact for Questions: \_\_\_\_\_ (Name)

\_\_\_\_\_ (Telephone)

\_\_\_\_\_ (FAX)

\_\_\_\_\_ (Email)

---

Please transmit form to

FAX Number

Email Address

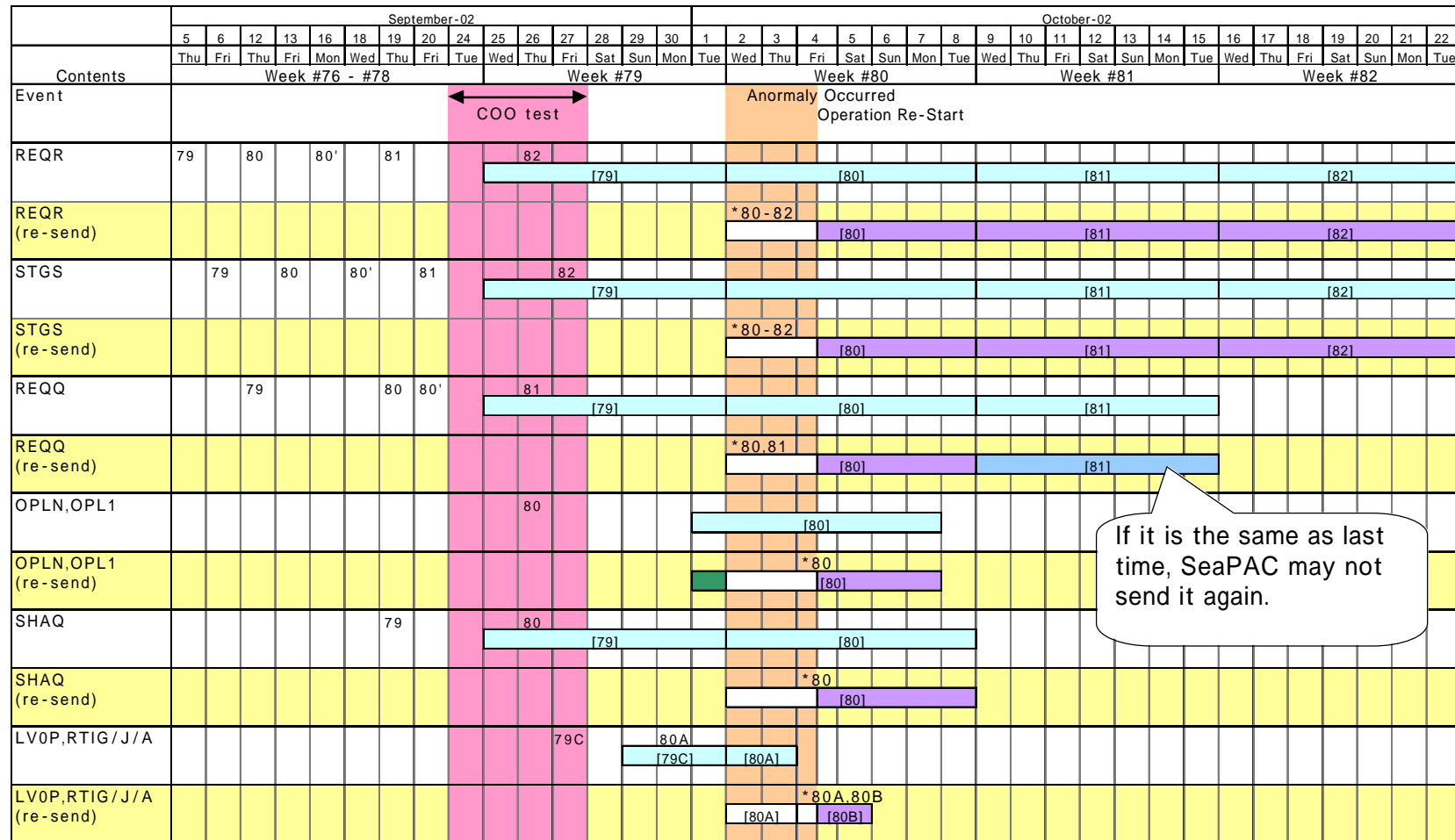
DSMC/White Sands: +1-505-527-7233      wsnso@mail.wsc.nasa.gov

ASF: +1-907-474-5195      ops@asf.alaska.edu

WFF +1-757-824-2403      david.hess@csconline.com

# Appendix E

## Detail schedule of Restarting OBC



If it is the same as last time, SeaPAC may not send it again.

77 78 79

: File trasfer date

: Routine Operation

[77]

: Data coverage

: Re-sending

## Detail schedule of Restarting OBC

|                            |             |                | October-02         |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
|----------------------------|-------------|----------------|--------------------|-------|--|--|--|-----|--|--|--|-----|--|--|--|-----|----------|------|-------|-----|-----|-----|-----|----------|-----|------|------|-----|-----|--|--|--|--|
|                            |             |                | 1                  | 2     |  |  |  | 3   |  |  |  | 4   |  |  |  | 5   | 6        | 7    | 8     | 9   | 10  | 11  | 12  | 13       | 14  | 15   | 16   | 17  | 18  |  |  |  |  |
|                            |             |                | Tue                | Wed   |  |  |  | Thu |  |  |  | Fri |  |  |  | Sat | Sun      | Mon  | Tue   | Wed | Thu | Fri | Sat | Sun      | Mon | Tue  | Wed  | Thu | Fri |  |  |  |  |
| Contents                   | Target Week | Send by (UTC)  |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
| Event                      |             |                |                    |       |  |  |  |     |  |  |  |     |  |  |  |     | Week #81 |      |       |     |     |     |     | Week #82 |     |      |      |     |     |  |  |  |  |
|                            |             |                | Operation Re-Start |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
|                            |             |                |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
| REQR<br>(re-send)          | 80          | 2002/10/2 4:00 | *                  |       |  |  |  |     |  |  |  |     |  |  |  |     |          | [80] |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
|                            | 81          | 2002/10/2 4:00 | *                  |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     | [81] |      |     |     |  |  |  |  |
|                            | 82          | 2002/10/2 4:00 | *                  |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     |      | [82] |     |     |  |  |  |  |
| STGS<br>(re-send)          | 80          | 2002/10/2 6:00 | *                  |       |  |  |  |     |  |  |  |     |  |  |  |     |          | [80] |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
|                            | 81          | A.S.A.P        |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     | [81] |      |     |     |  |  |  |  |
|                            | 82          | A.S.A.P        |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     |      | [82] |     |     |  |  |  |  |
| REQQ<br>(re-send)          | 80          | 2002/10/2 3:00 | *                  |       |  |  |  |     |  |  |  |     |  |  |  |     |          | [80] |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
|                            | 81          | A.S.A.P        |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     | [81] |      |     |     |  |  |  |  |
| OPLN,OPL1<br>(re-send)     | 80          | 2002/10/4 3:50 |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          | *    | [80]  |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
|                            |             |                |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
| SHAQ<br>(re-send)          | 80          | 2002/10/4 3:55 |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          | *    | [80]  |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
|                            |             |                |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
| LV0P,RTIG/J/A<br>(re-send) | 80A         | 2002/10/4 4:00 |                    | [80A] |  |  |  |     |  |  |  |     |  |  |  |     |          | *    |       |     |     |     |     |          |     |      |      |     |     |  |  |  |  |
|                            | 80B         | 2002/10/4 4:05 |                    |       |  |  |  |     |  |  |  |     |  |  |  |     |          |      | [80B] |     |     |     |     |          |     |      |      |     |     |  |  |  |  |

10/2 0:00 UT  
Anomaly Occurs  
Event A

10/2 4:00 UT  
REQR Receipt  
Event B

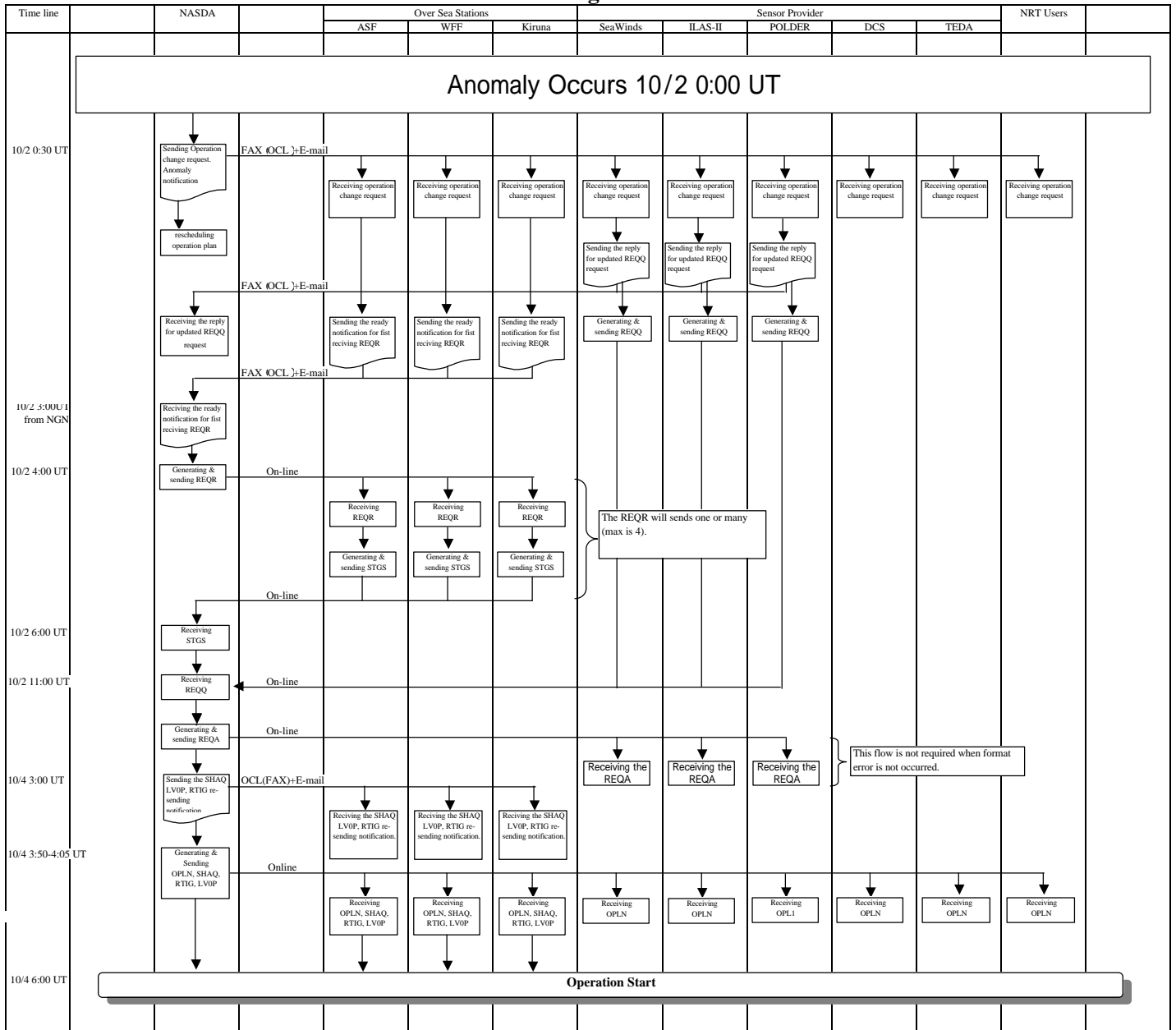
10/2 6:00 UT  
STGS Xmit  
Event C

10/4 6:00 UT  
Operation Start  
Event D

10/2 0:30 UT  
Anomaly Notification  
is Sent from EOC

10/2 3:00 UT  
Rescheduling OCL  
is Sent from NGN

### Re-scheduling Work Flow



1 / 1